

FIG. 1

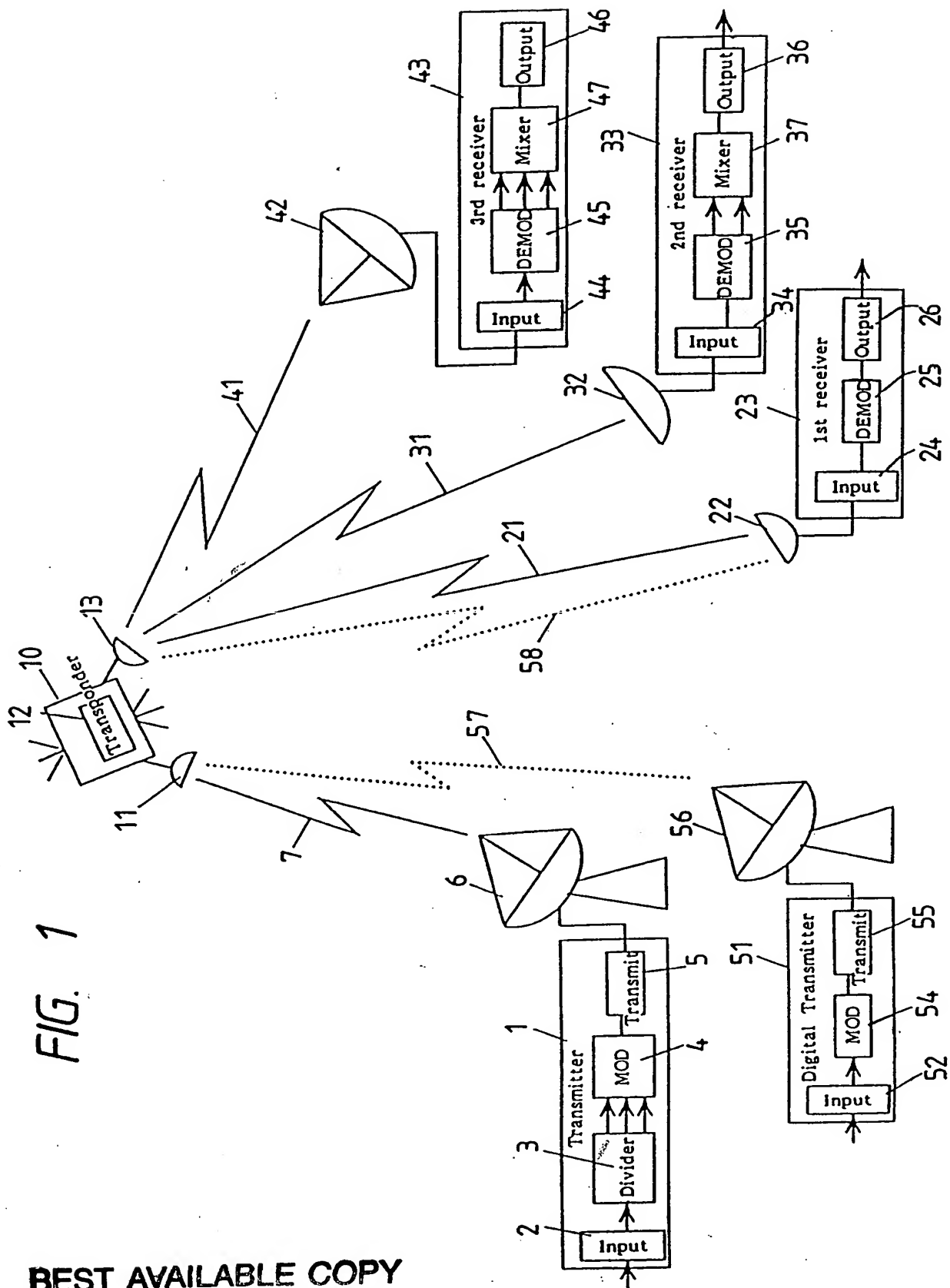


FIG. 2

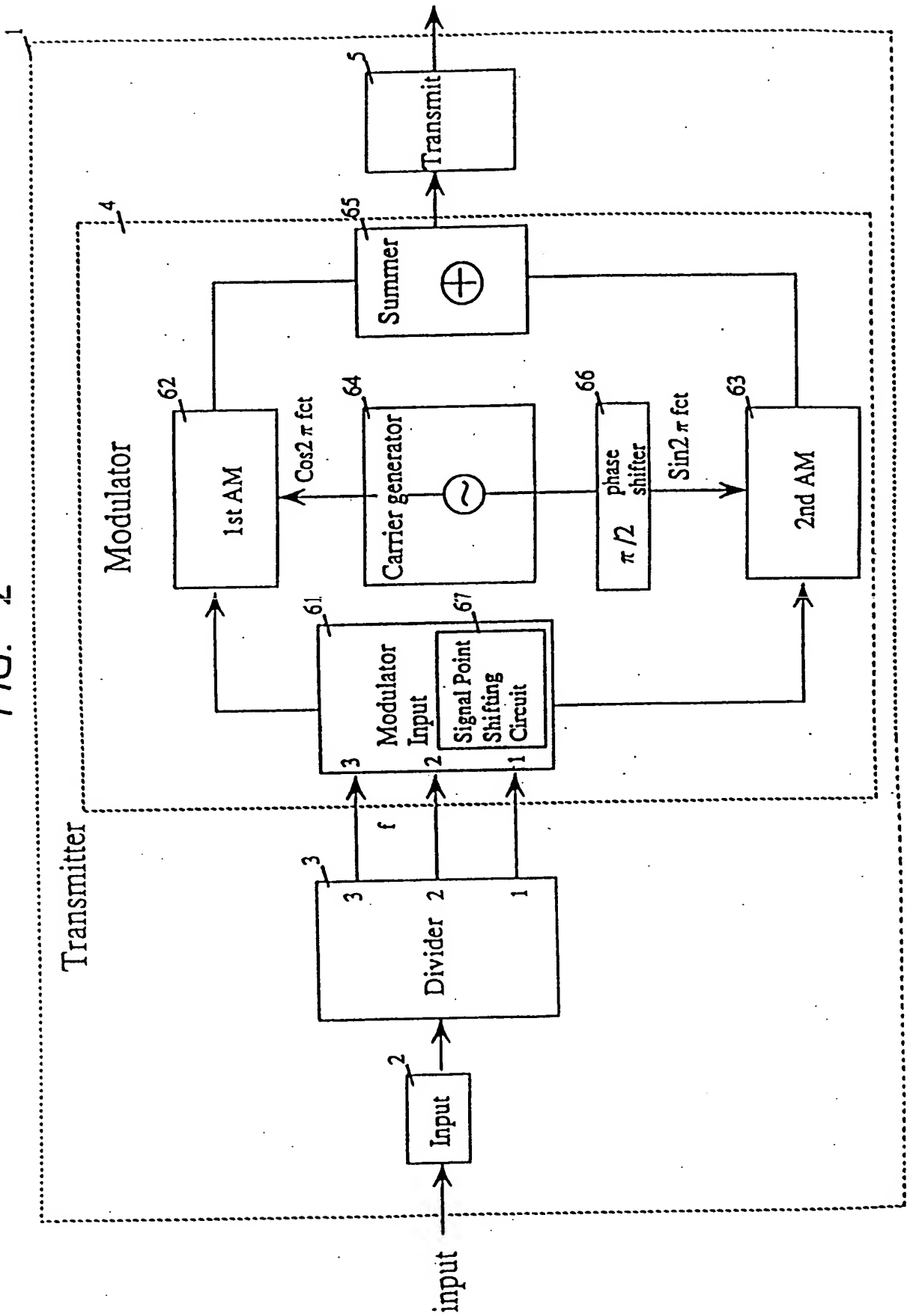
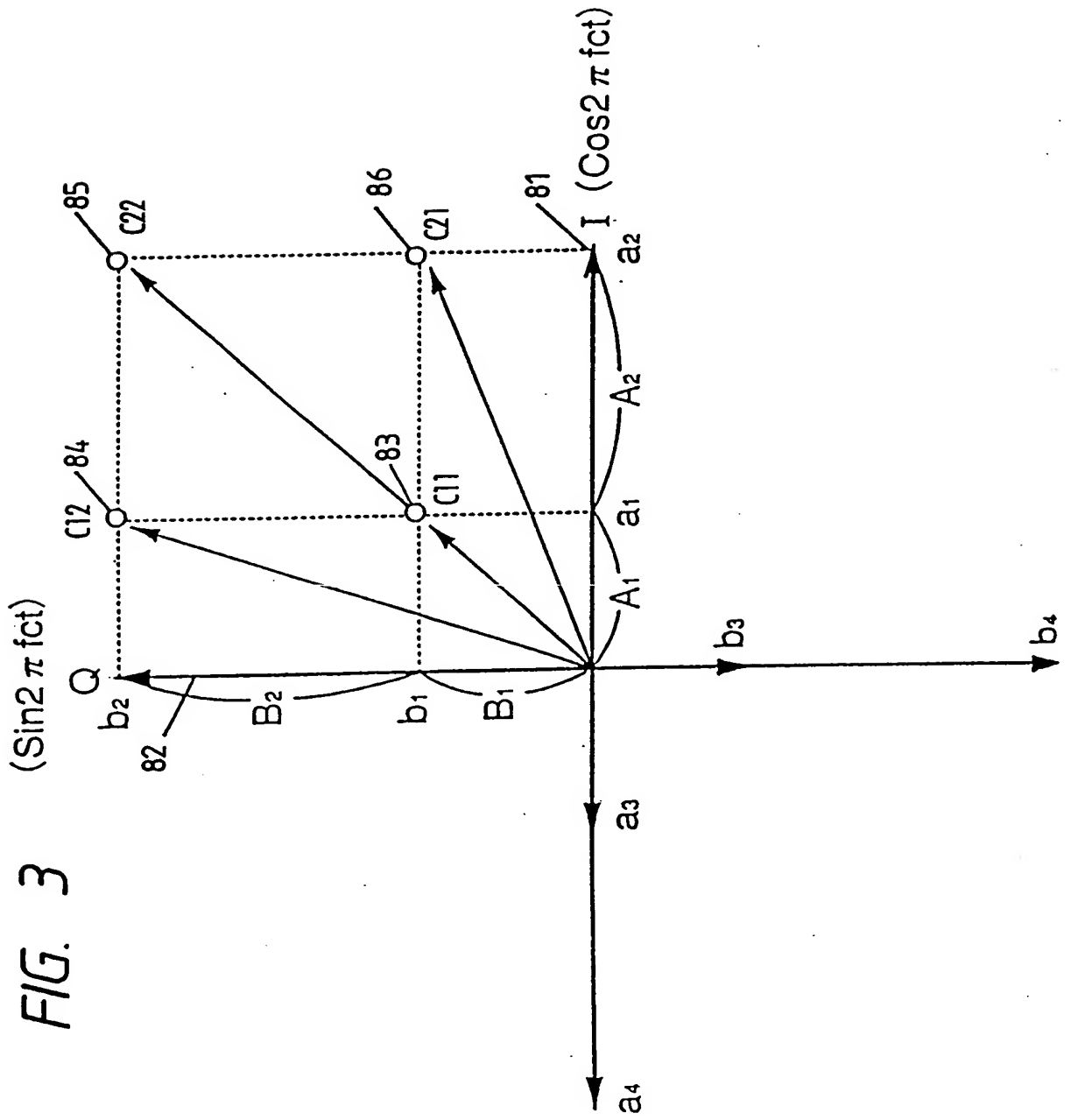


FIG. 3



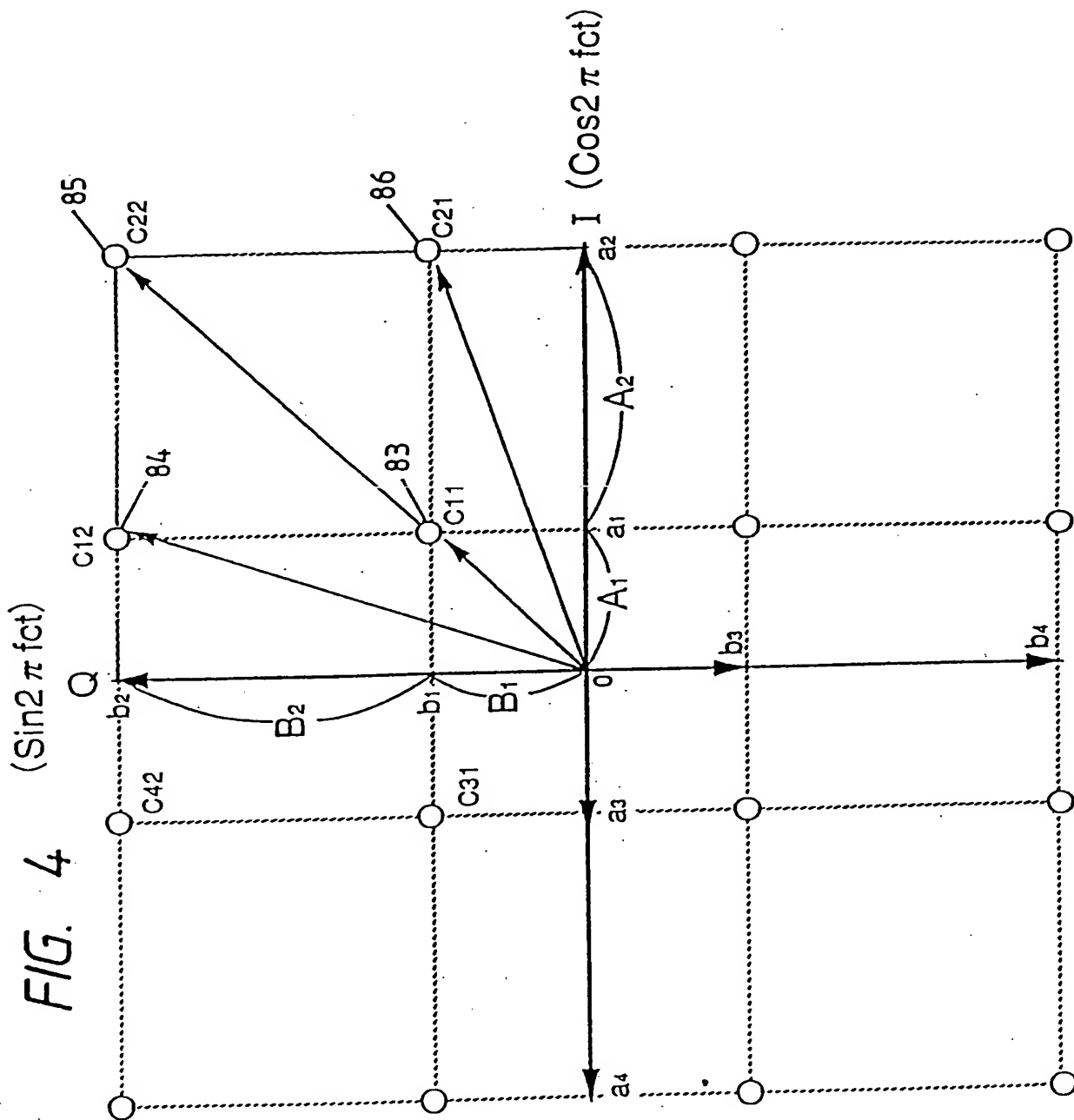


FIG. 5 ( $\sin 2\pi \text{ fct}$ )

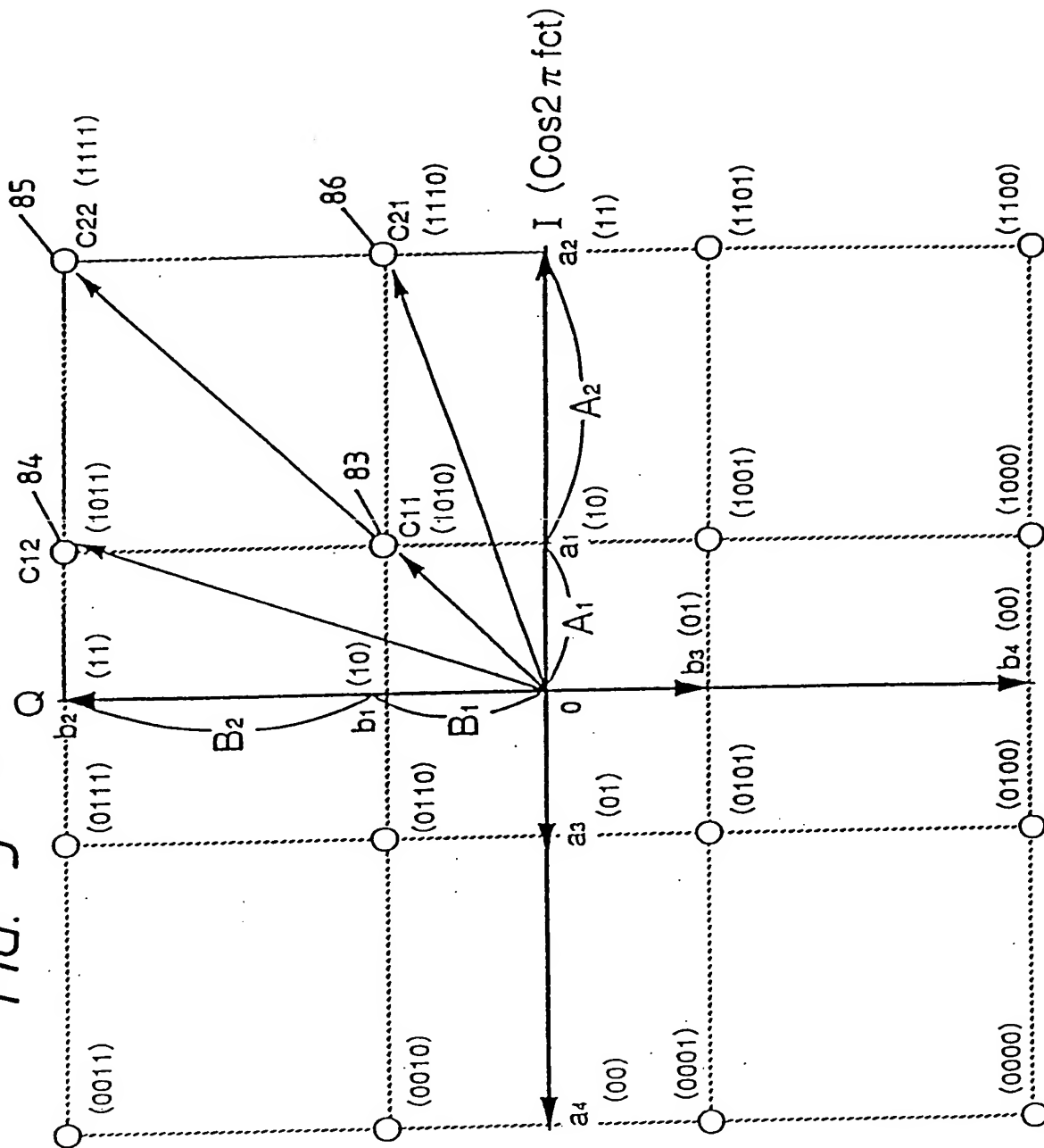


FIG. 6

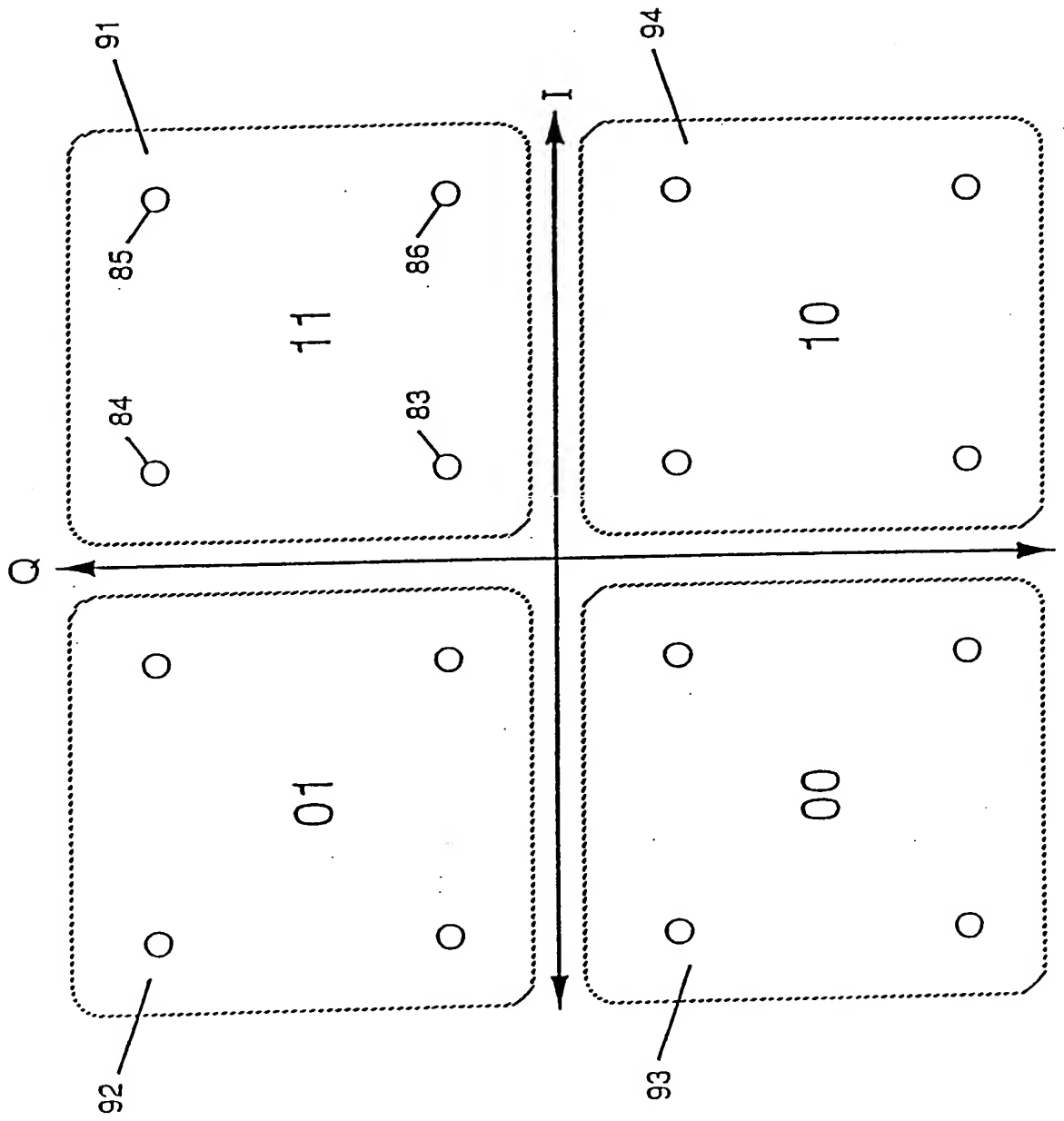


FIG. 7

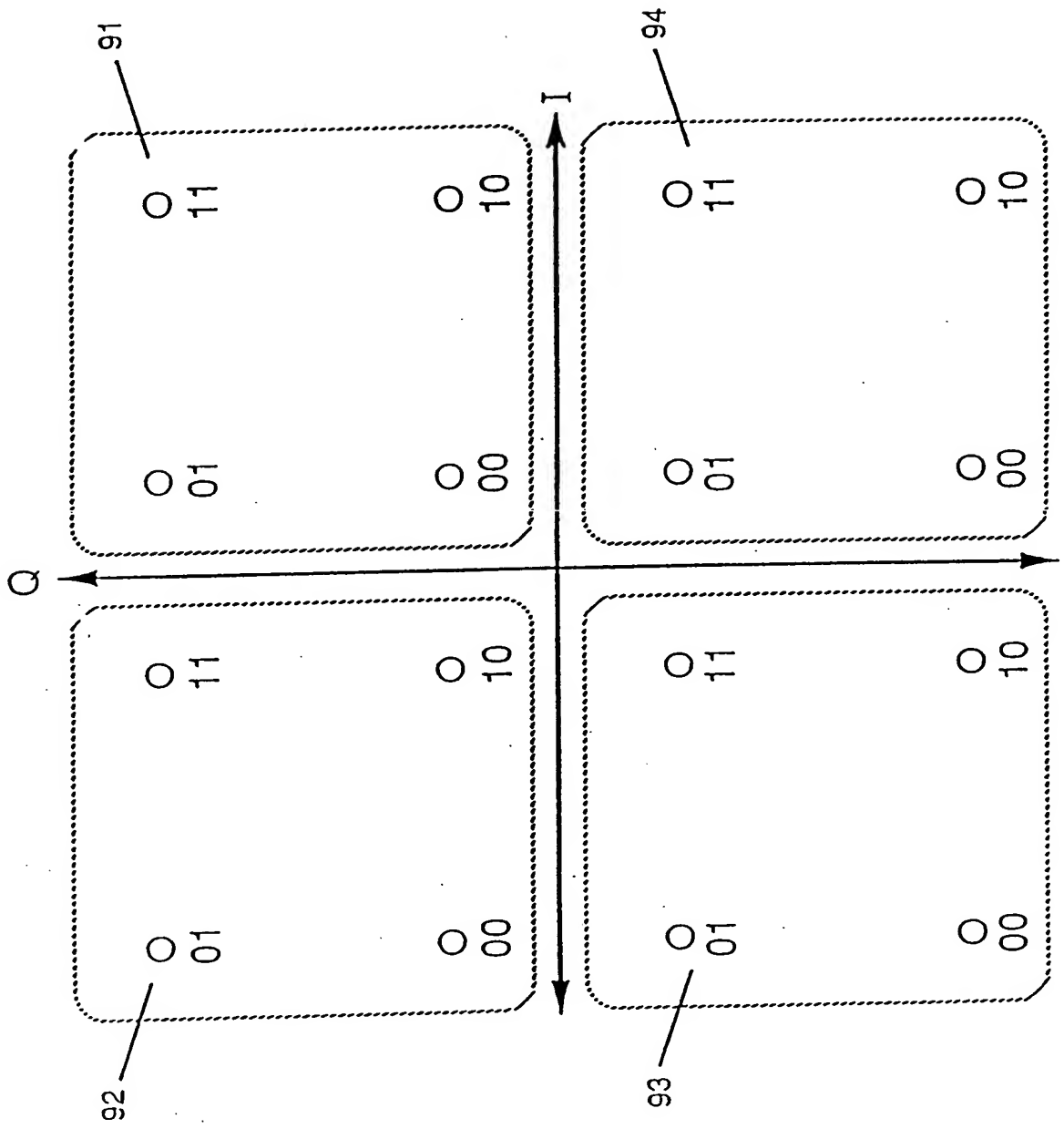


FIG. 8

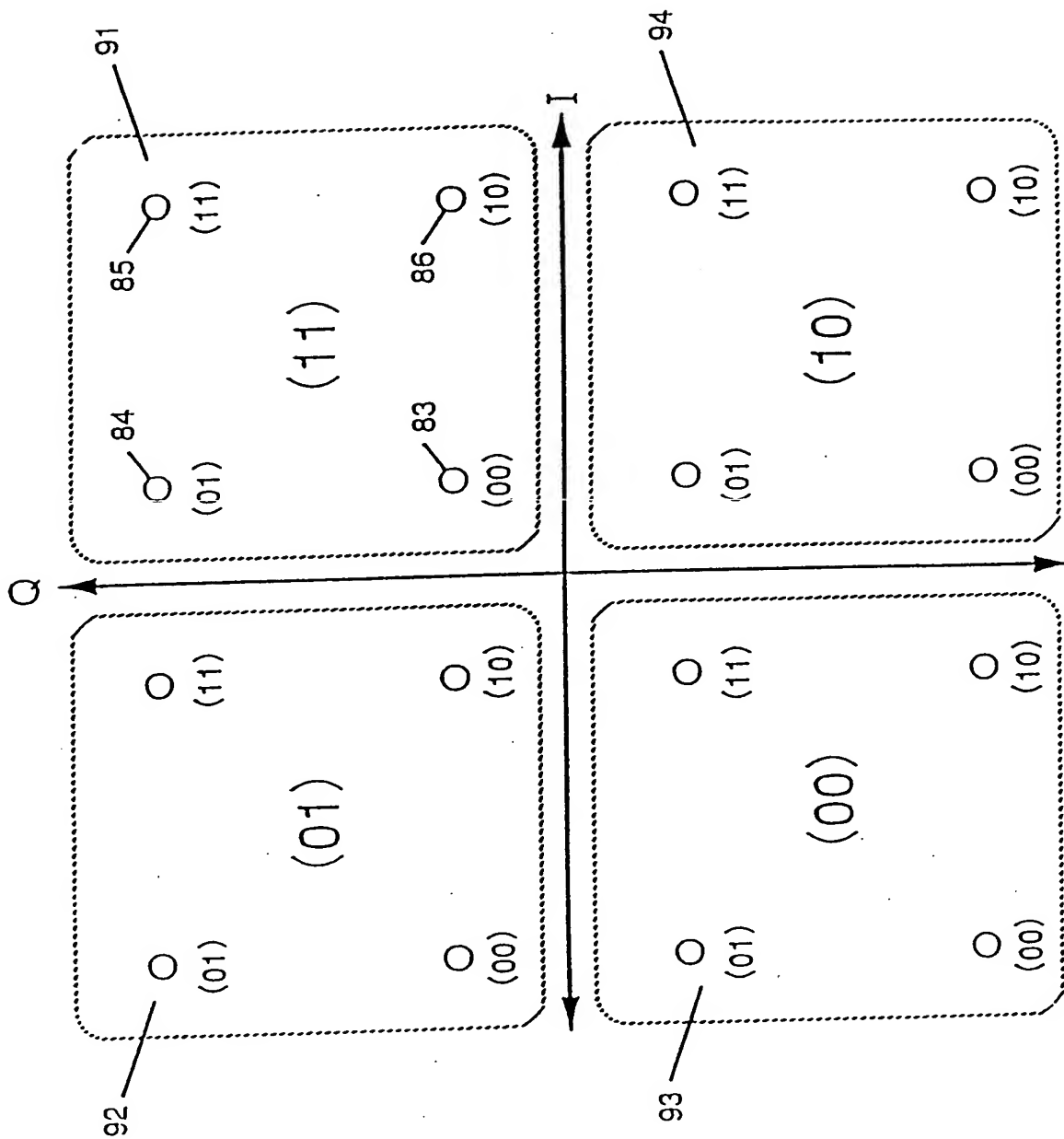




FIG. 9

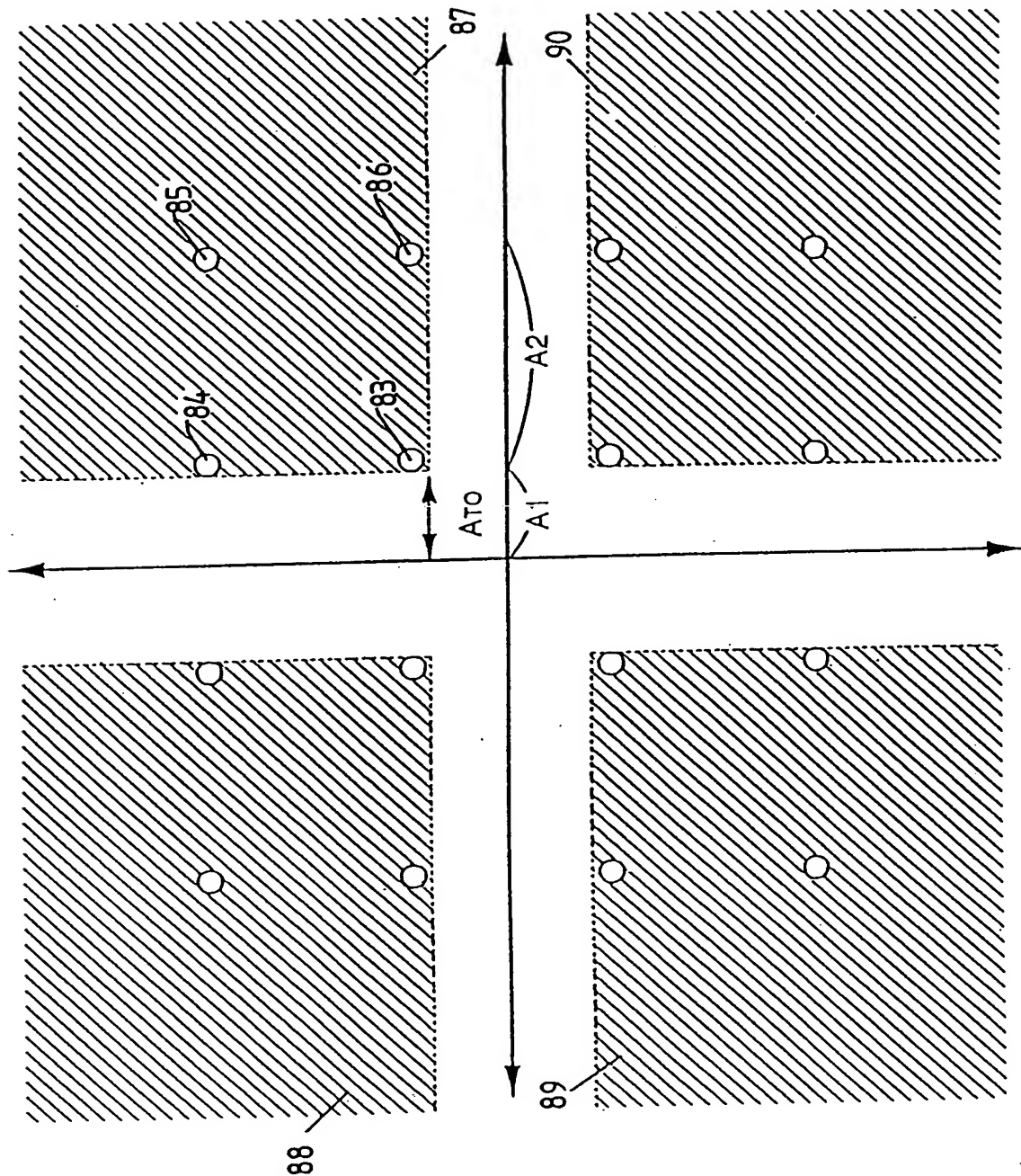


FIG. 10

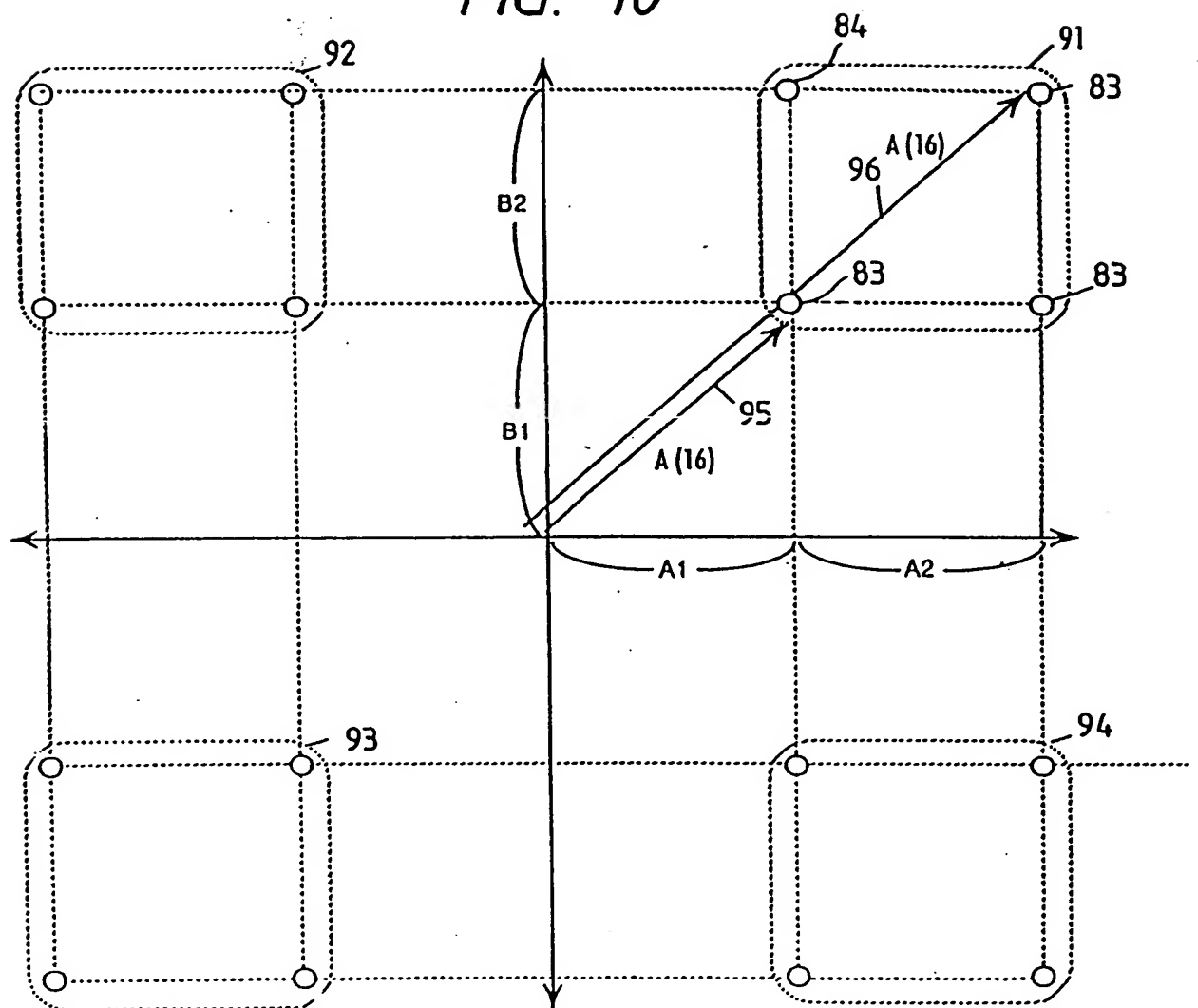


FIG. 11

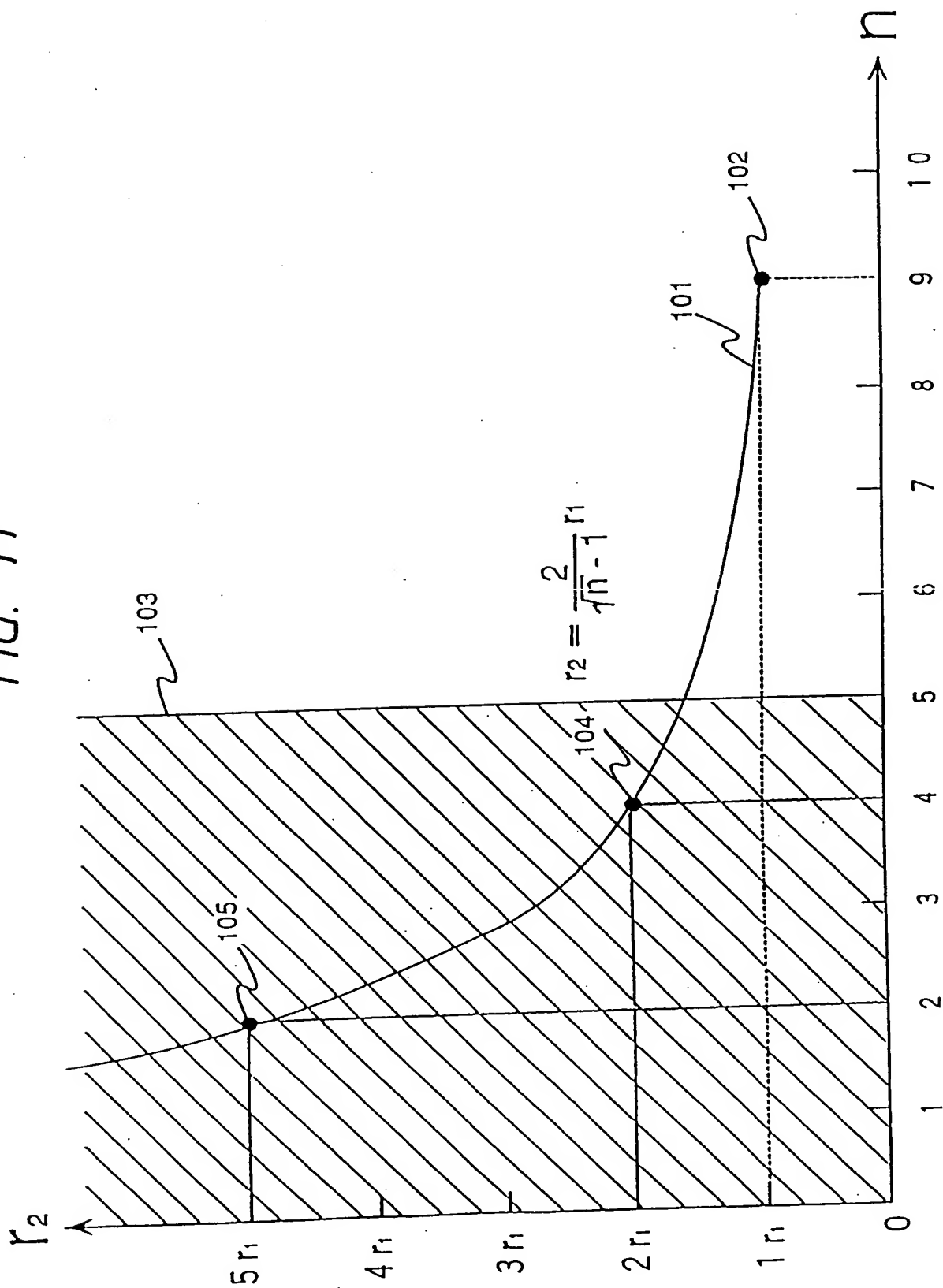


FIG. 12

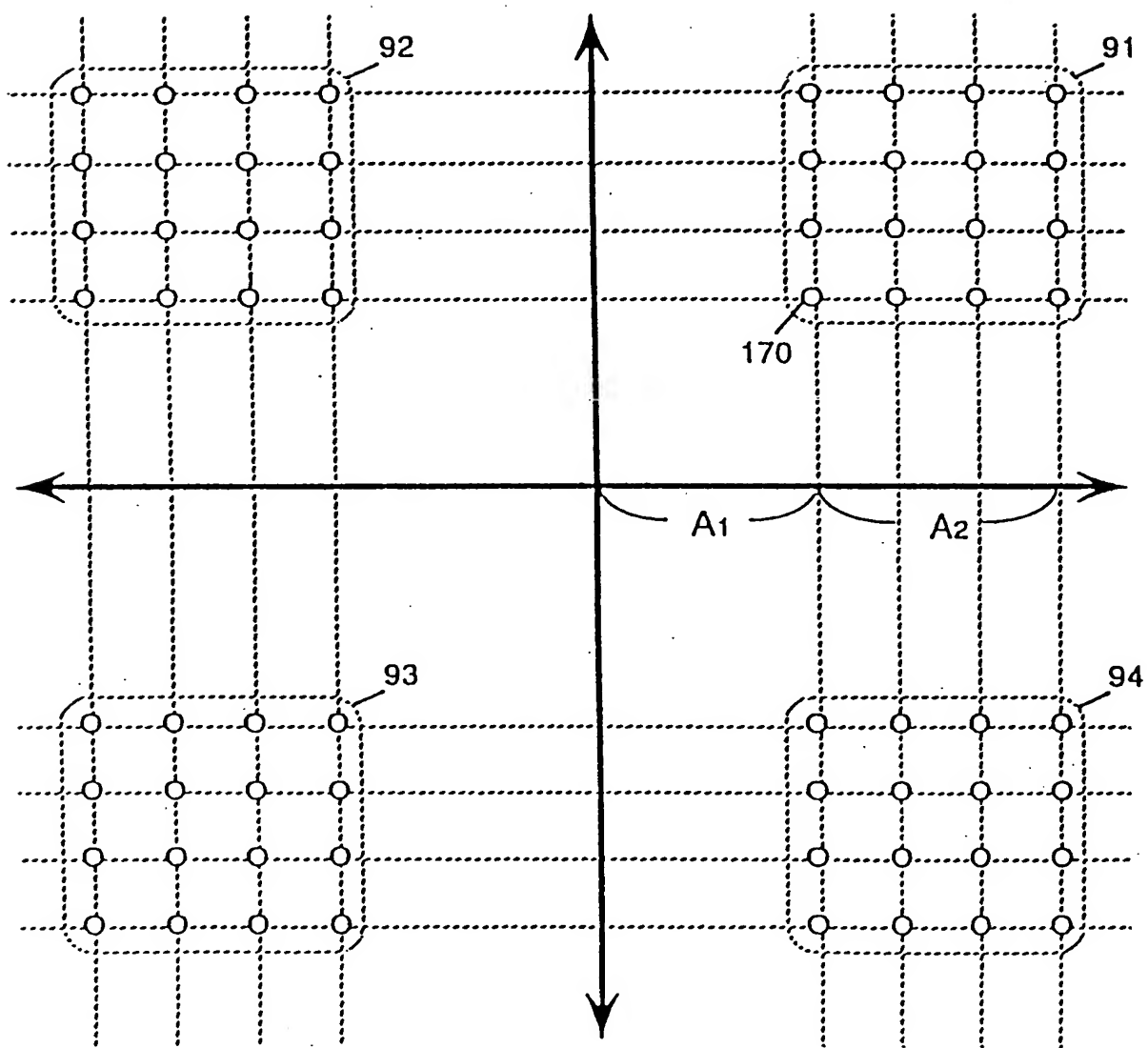


FIG. 13

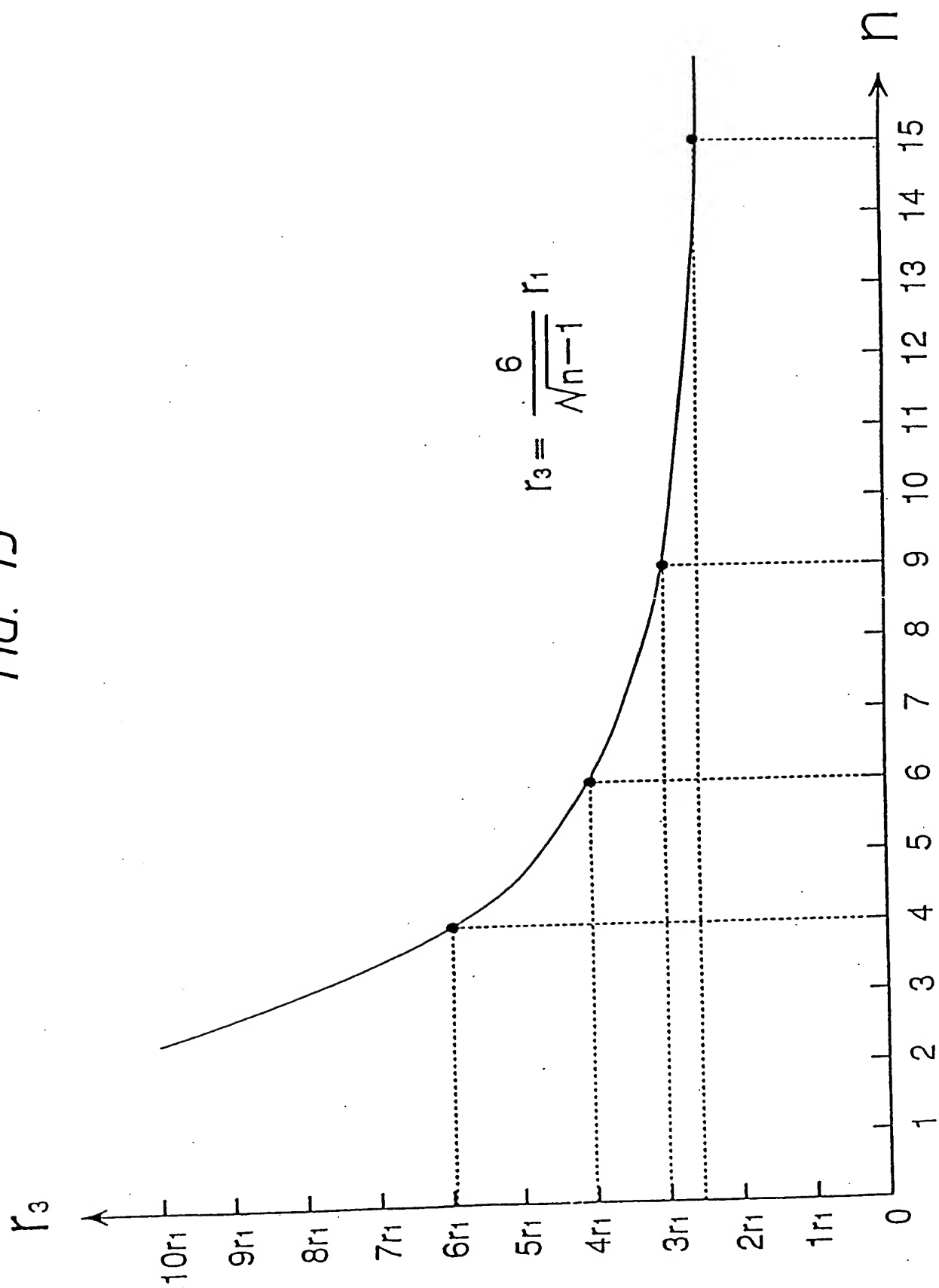




FIG. 15

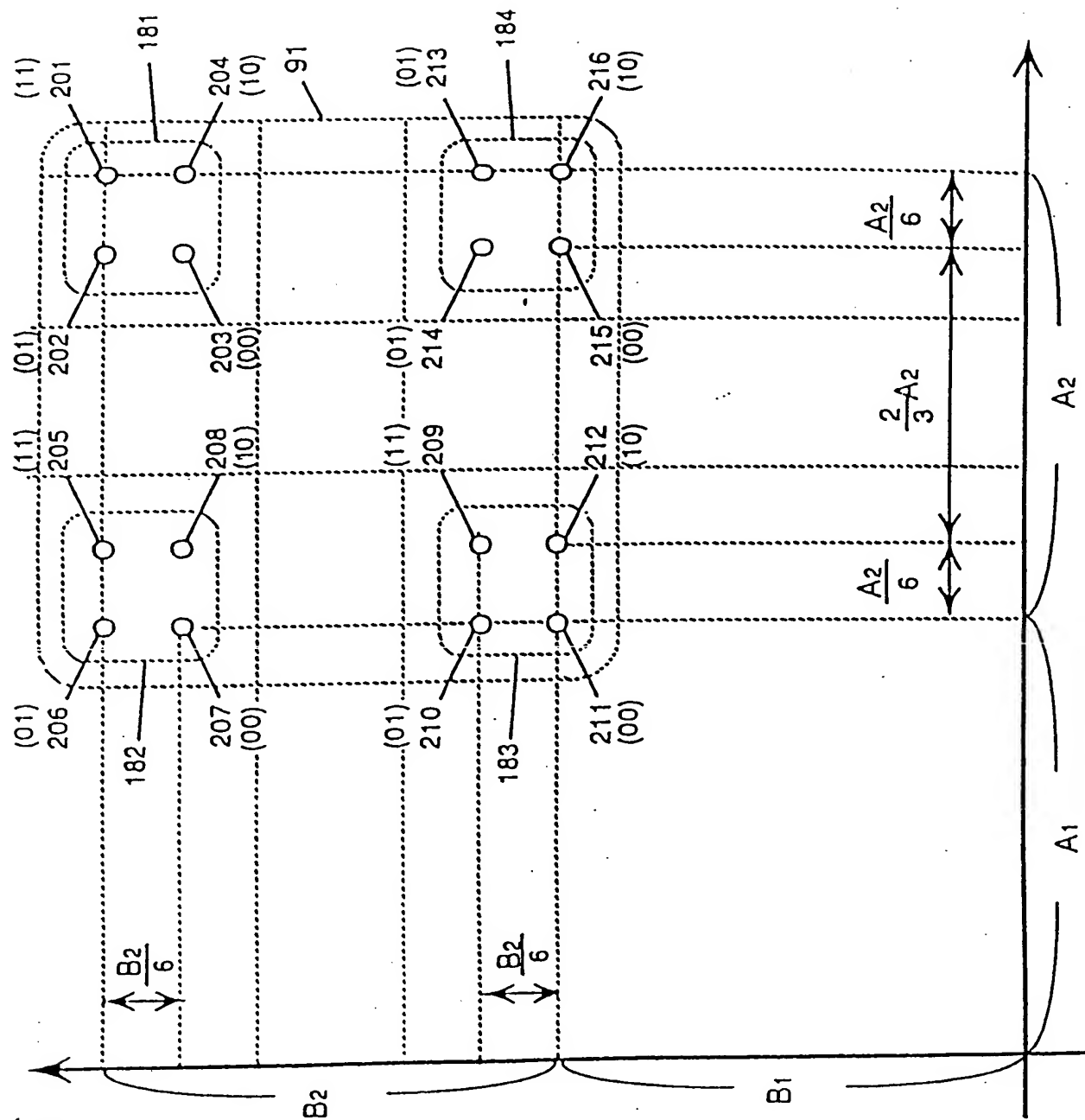


FIG. 16

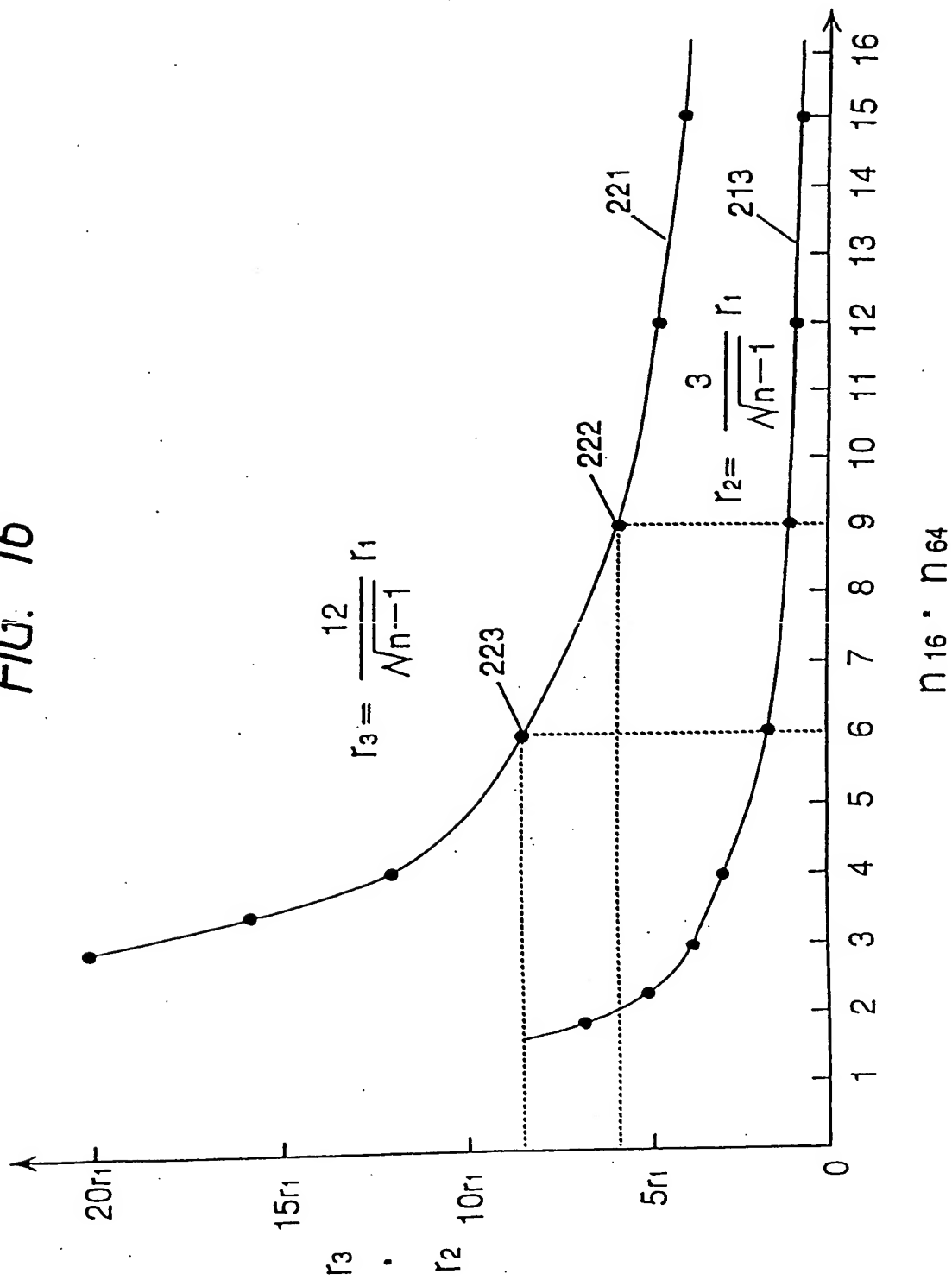




FIG. 17

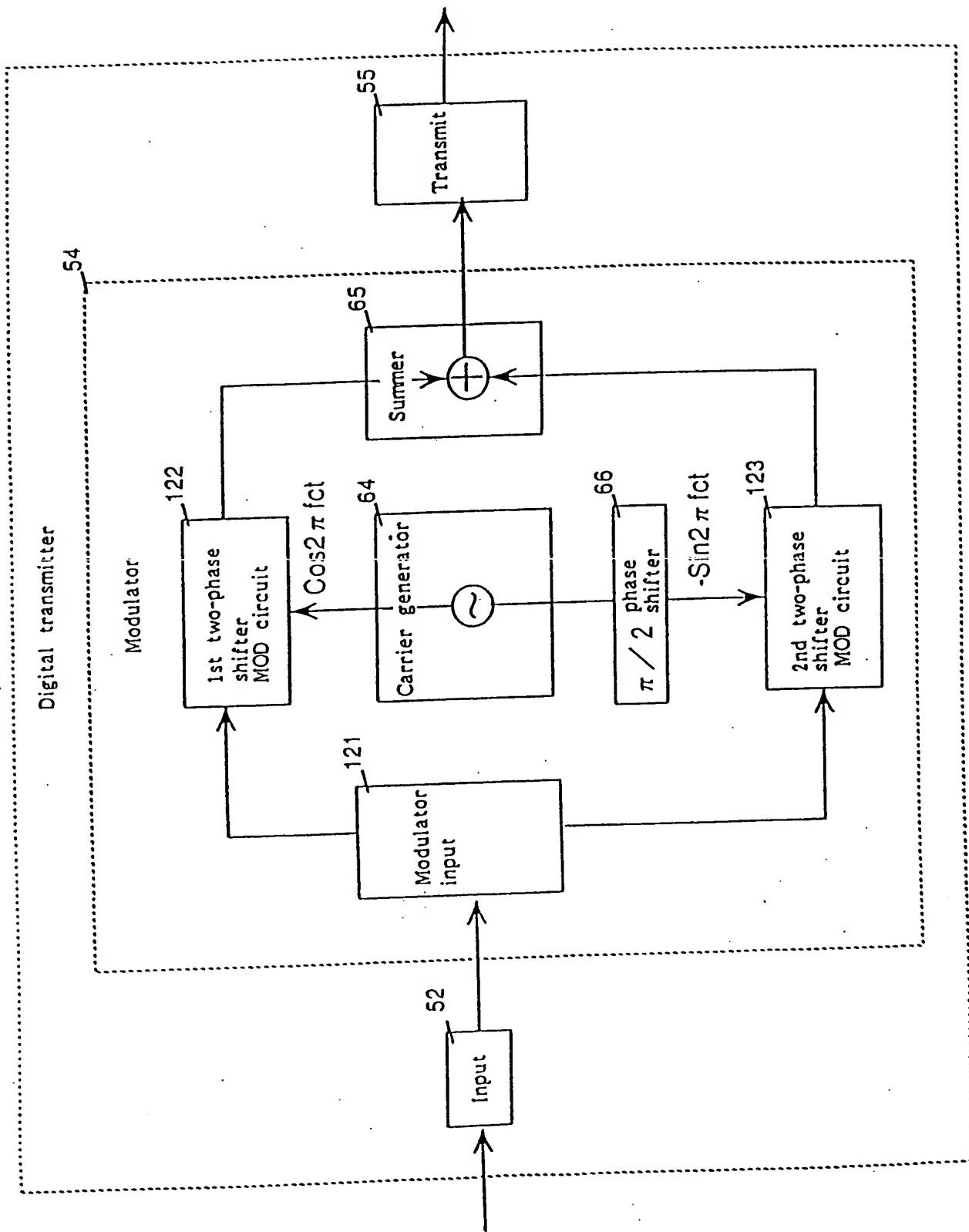


FIG. 18

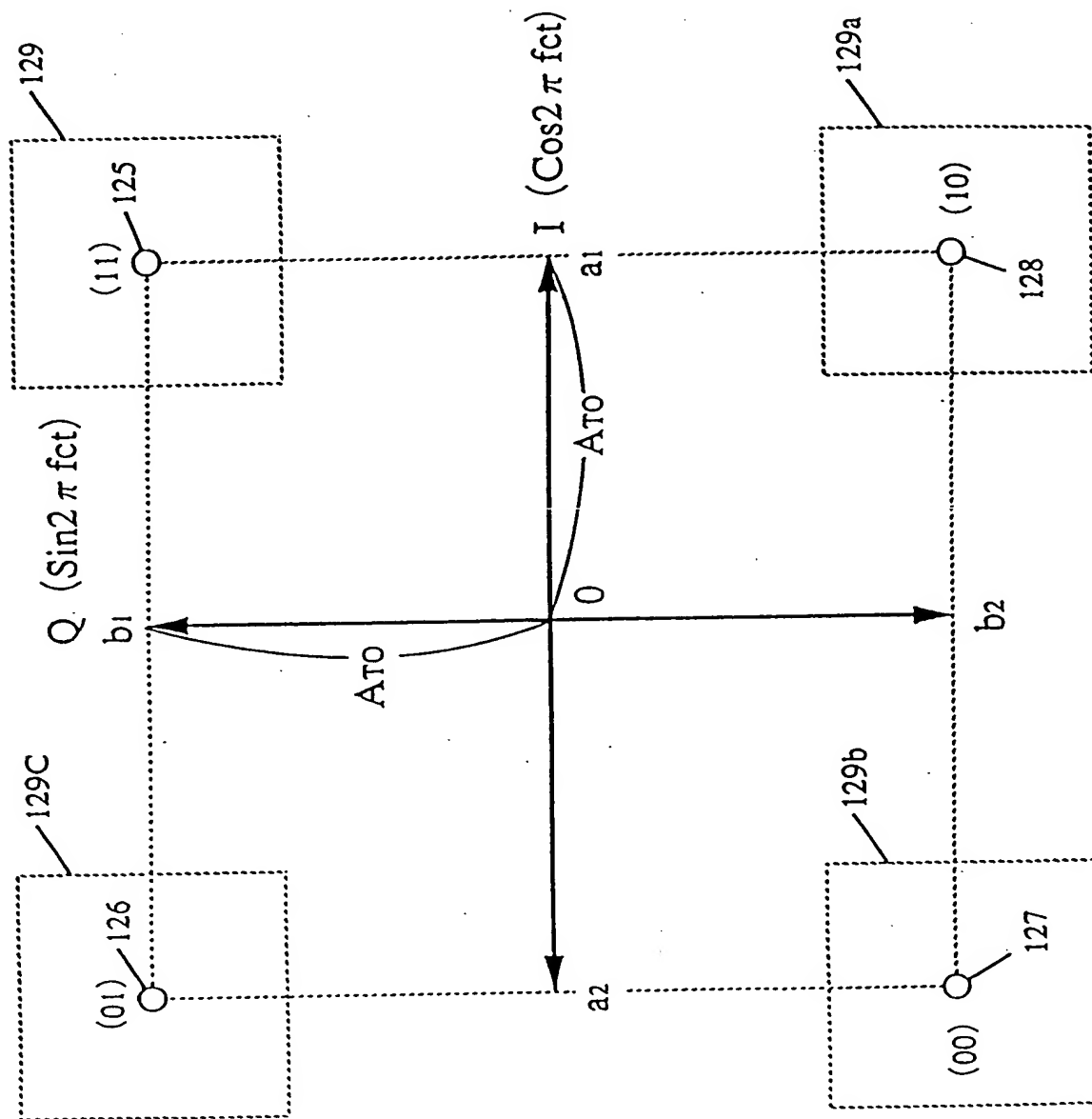


FIG. 19

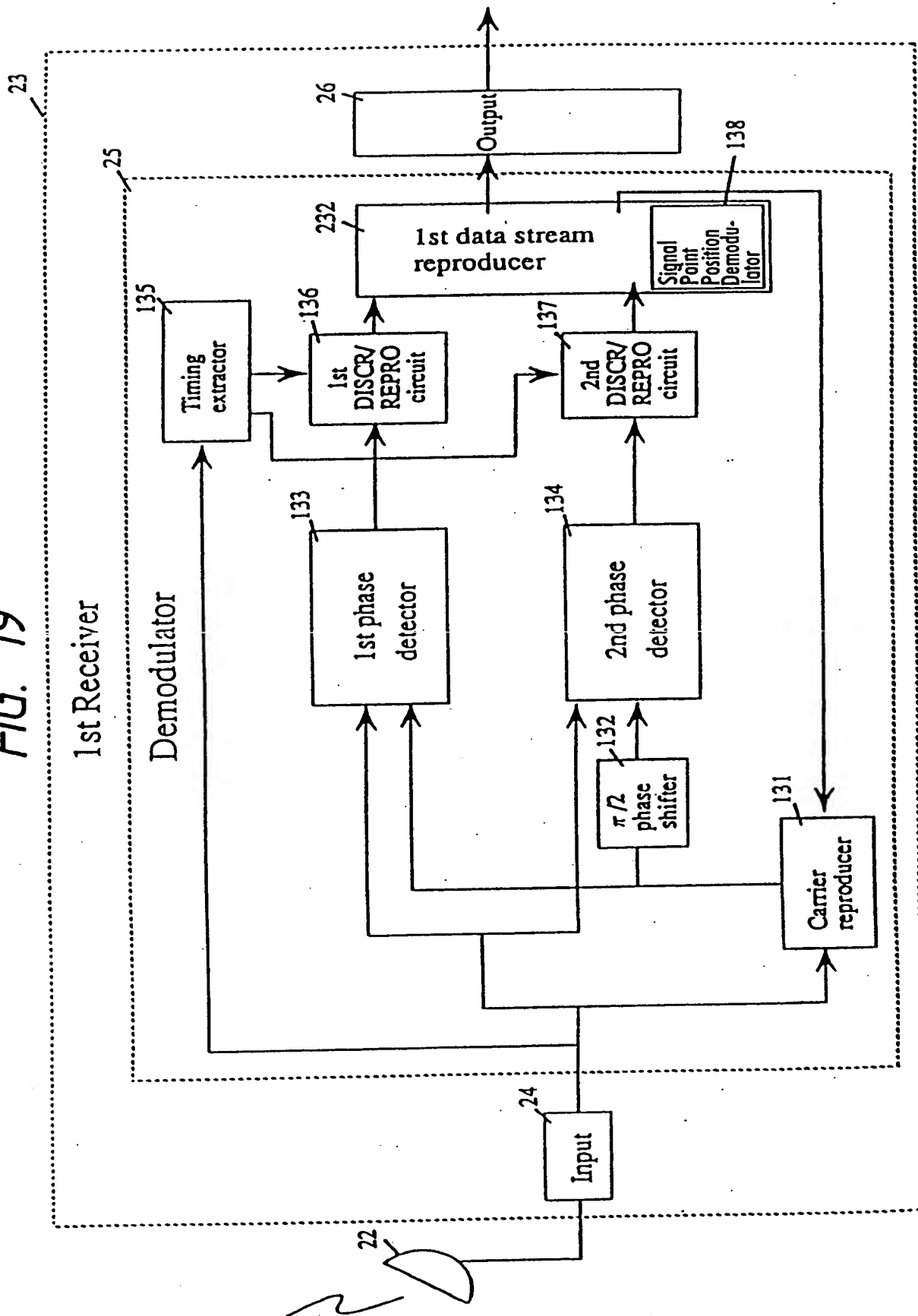


FIG. 20

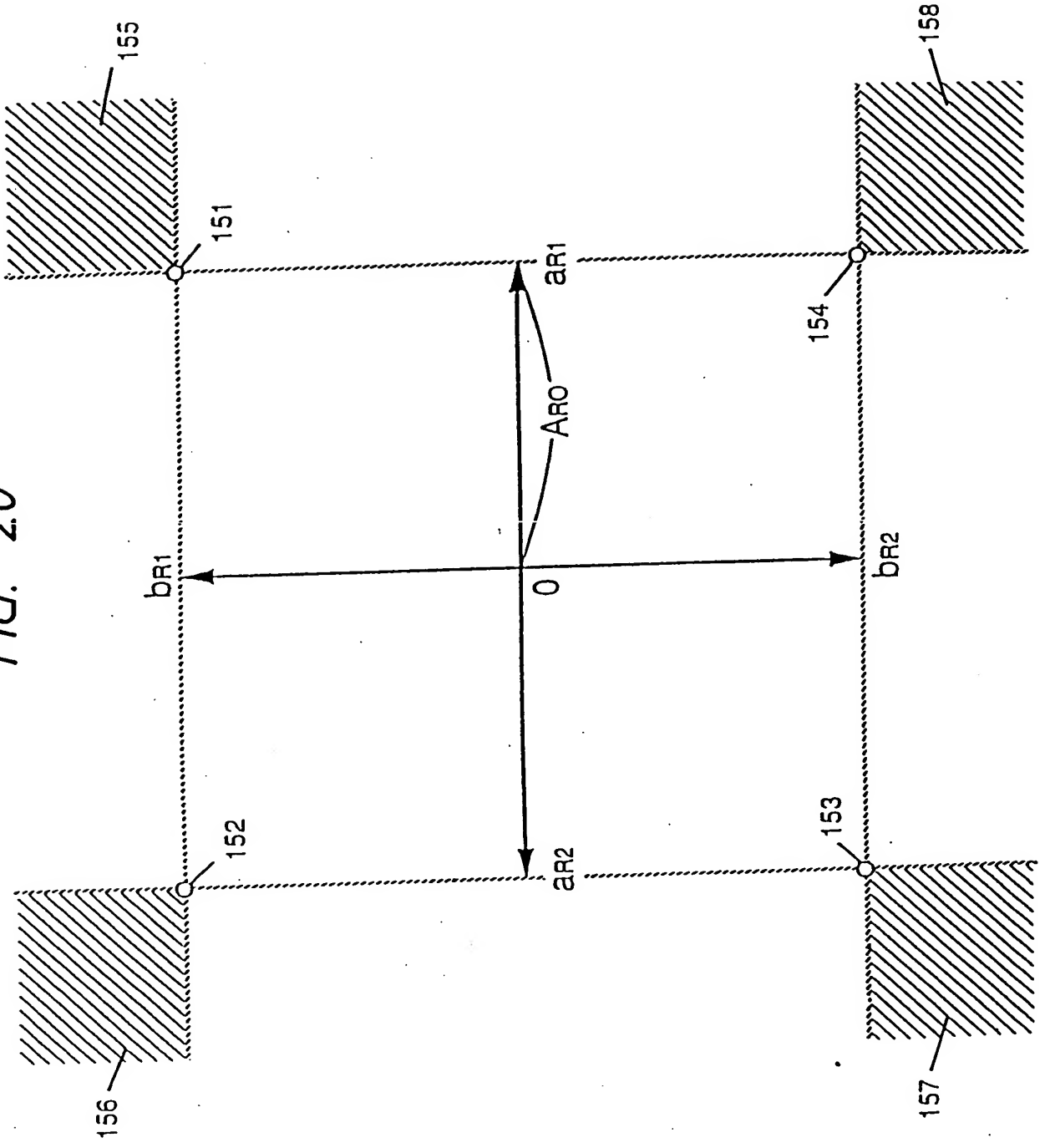


FIG. 21

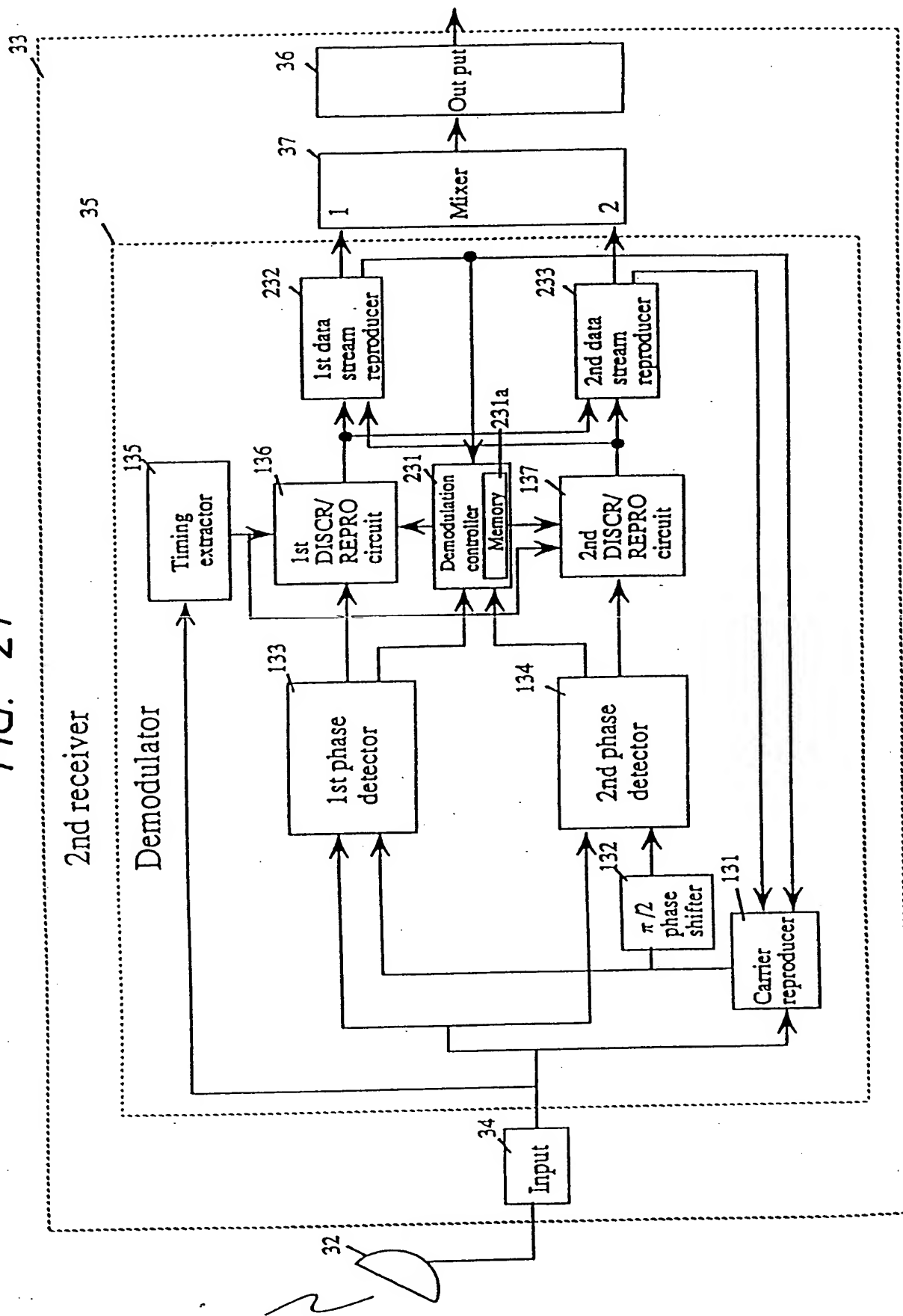


FIG. 22

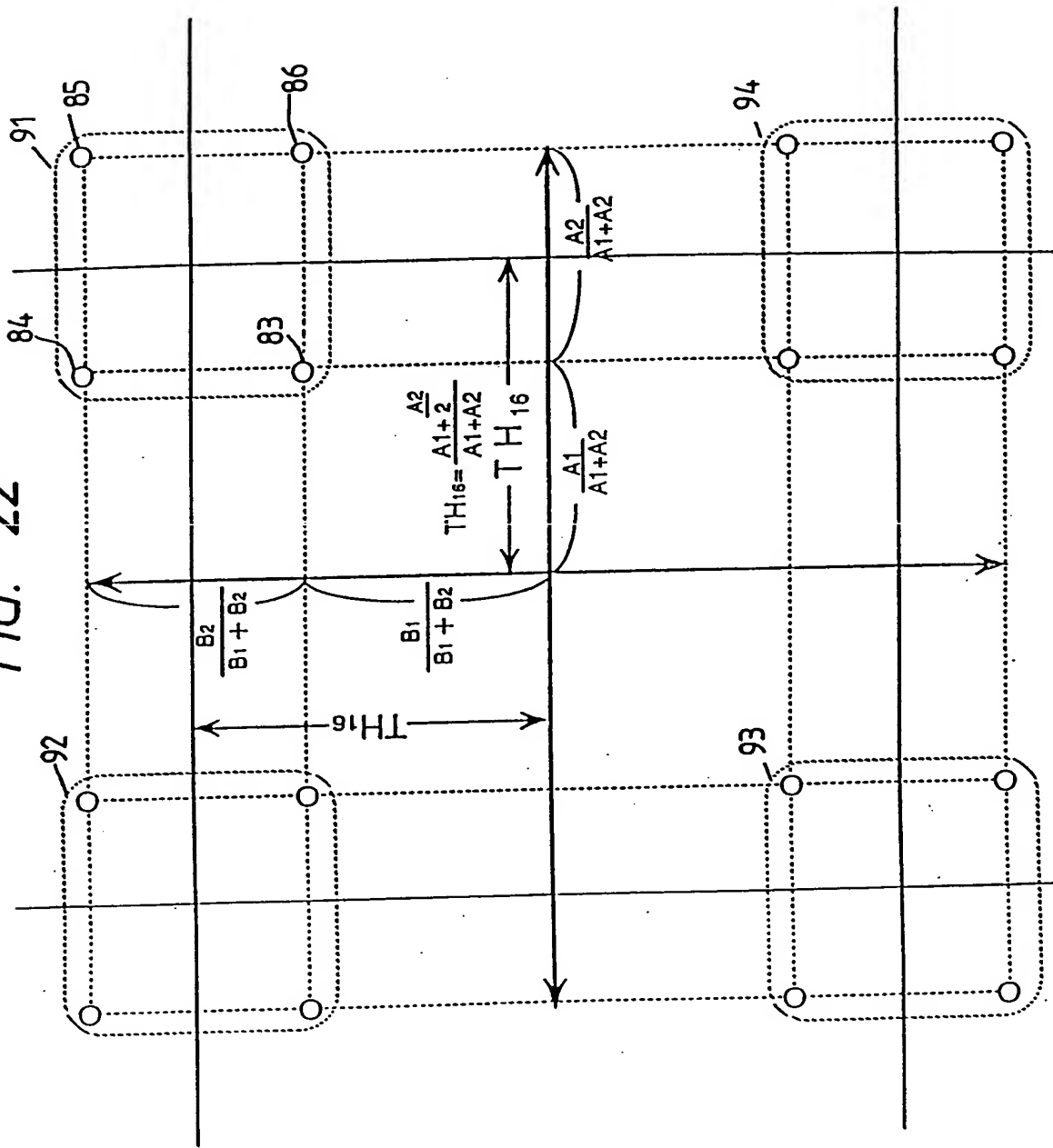


FIG. 23

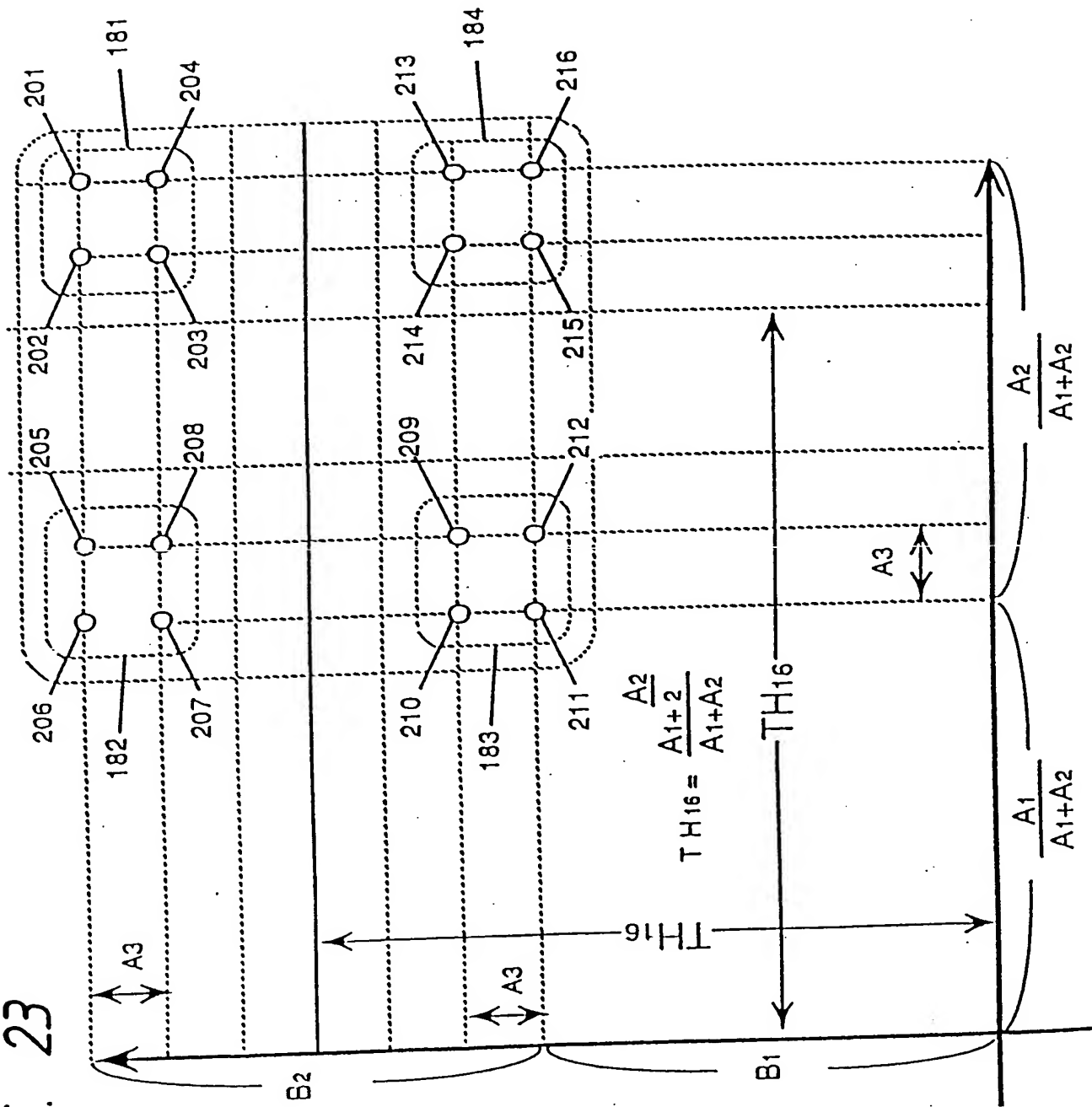


FIG. 24

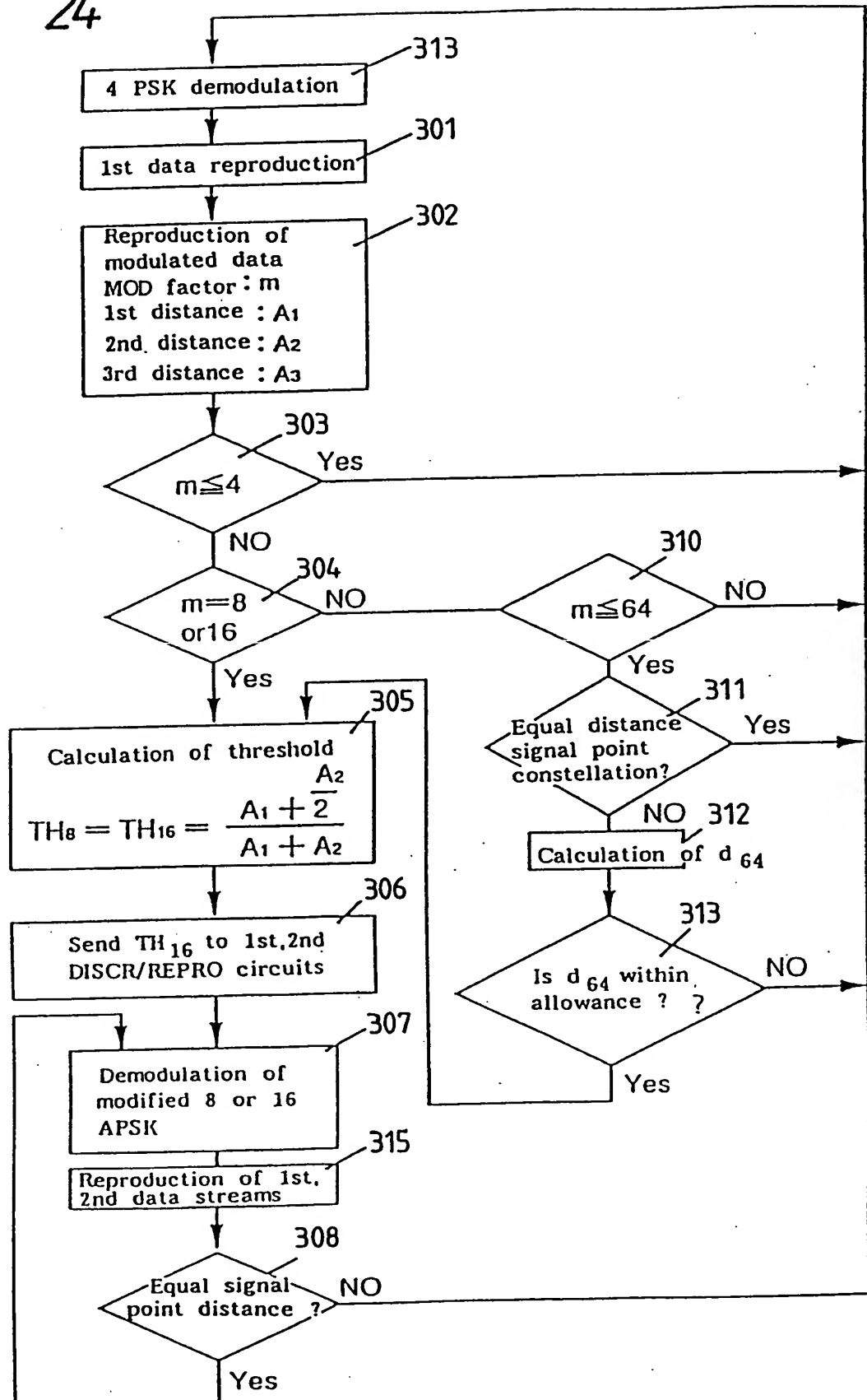




FIG. 25(a)

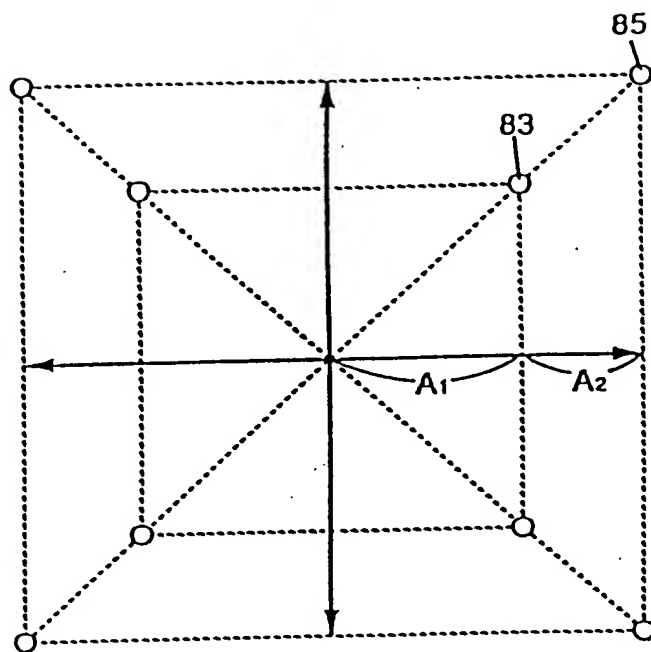
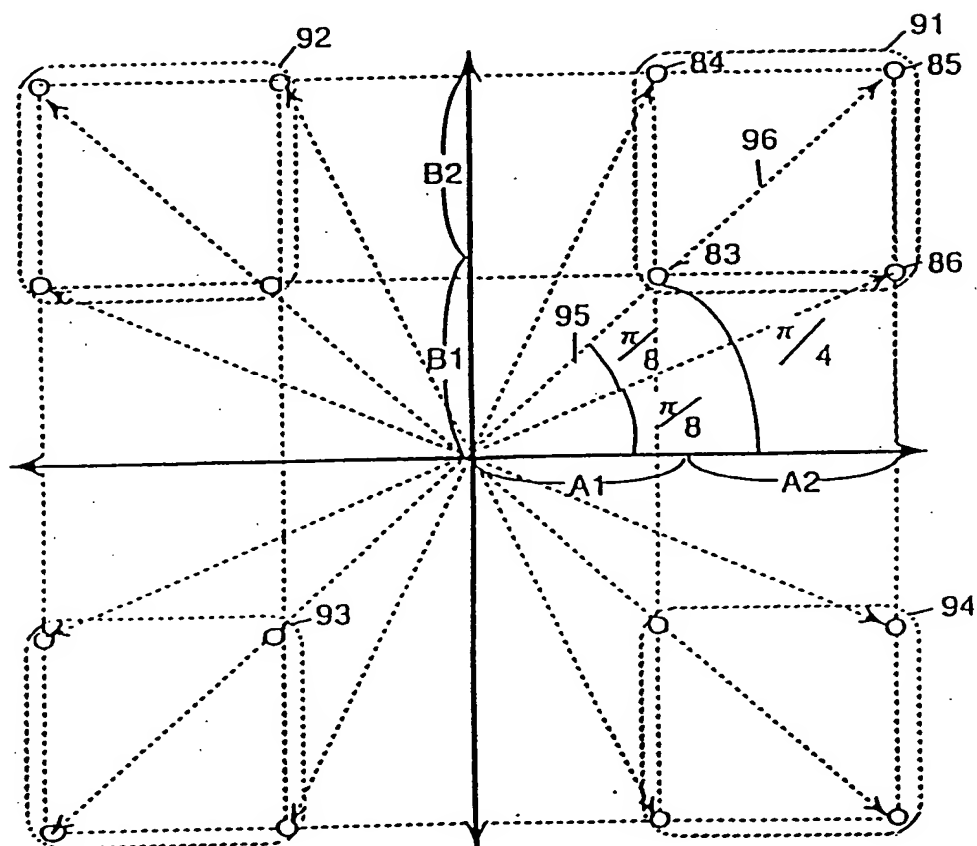


FIG. 25(b)



43



FIG. 27

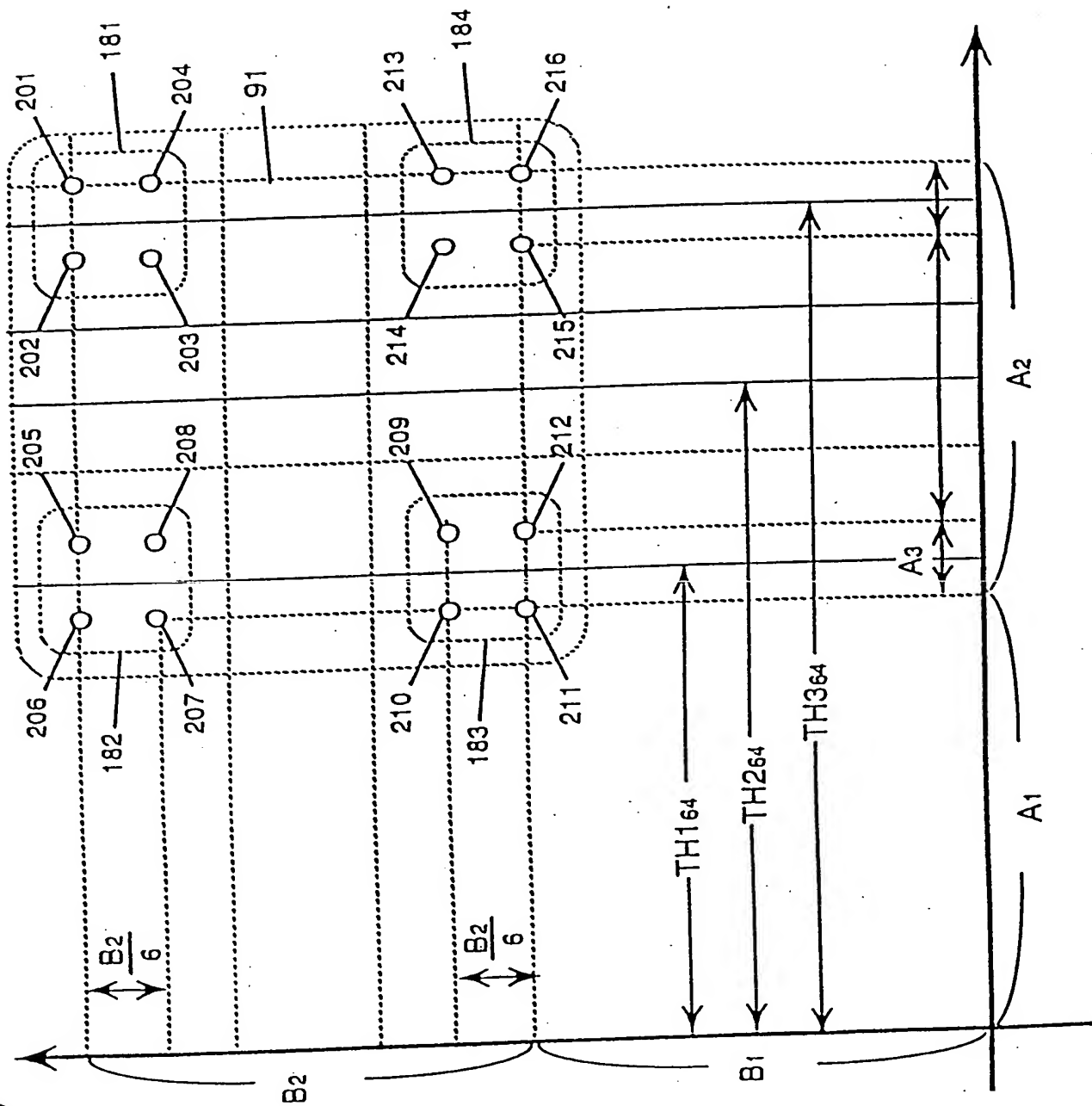


FIG. 28

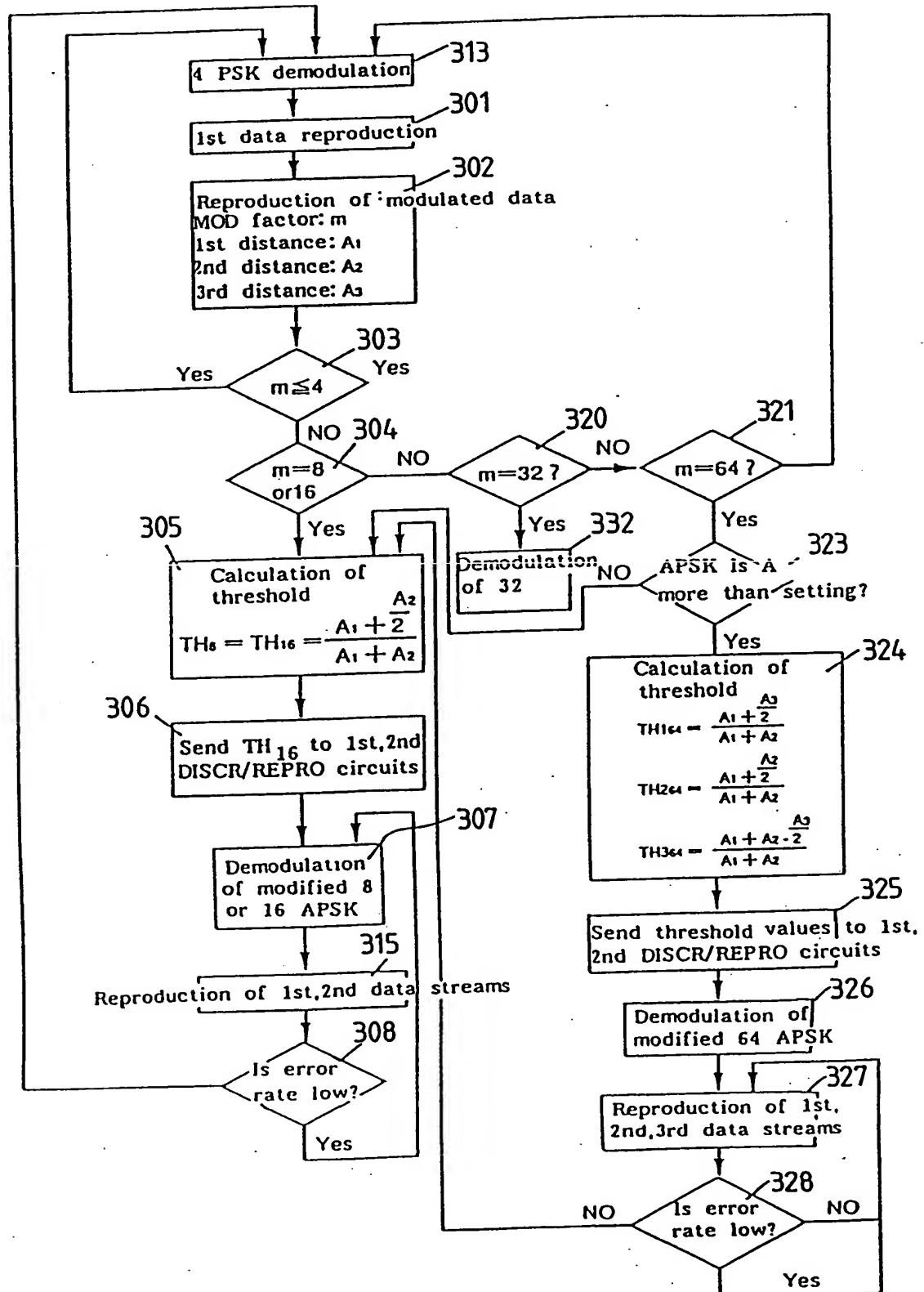


FIG. 29

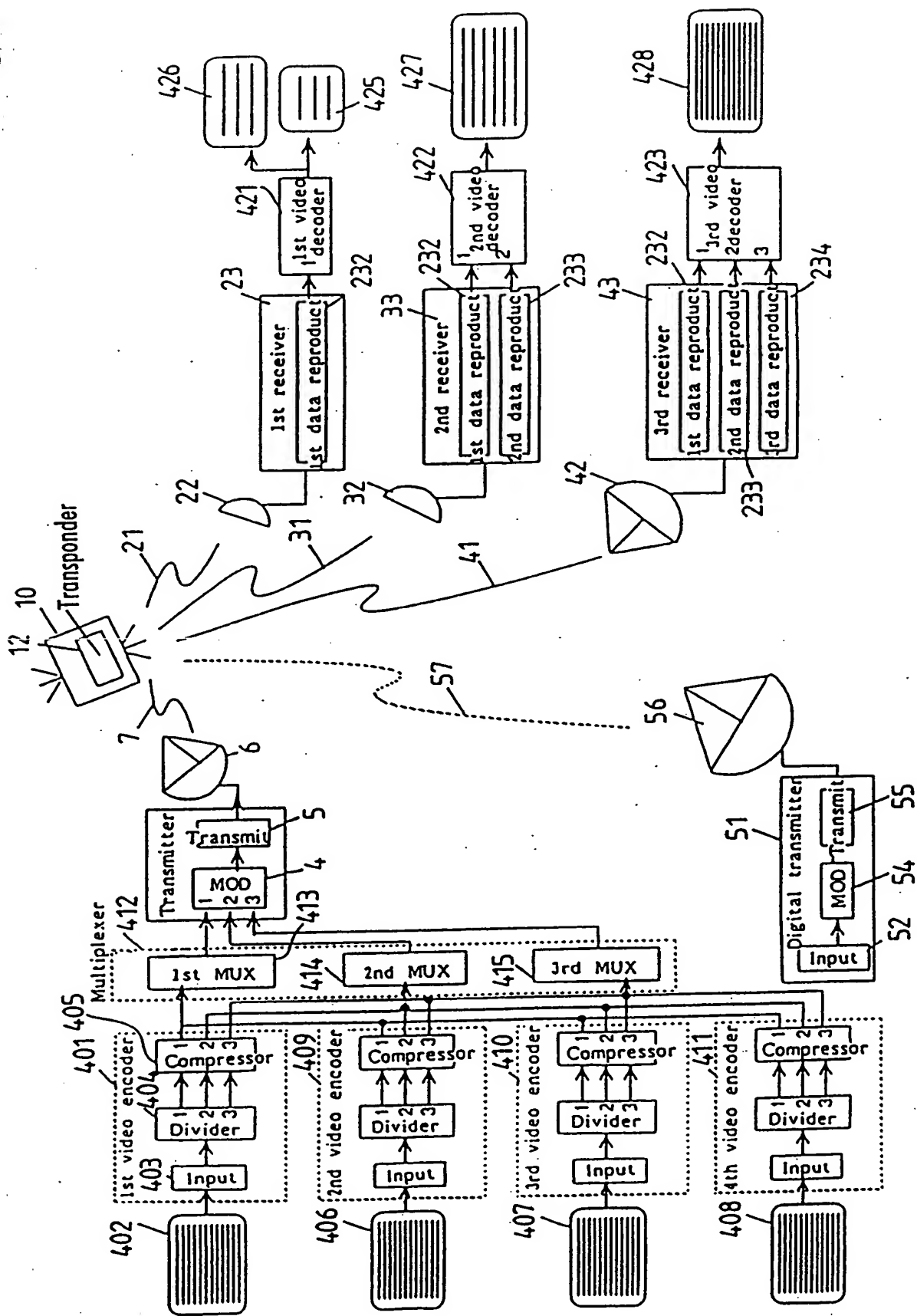


FIG. 30

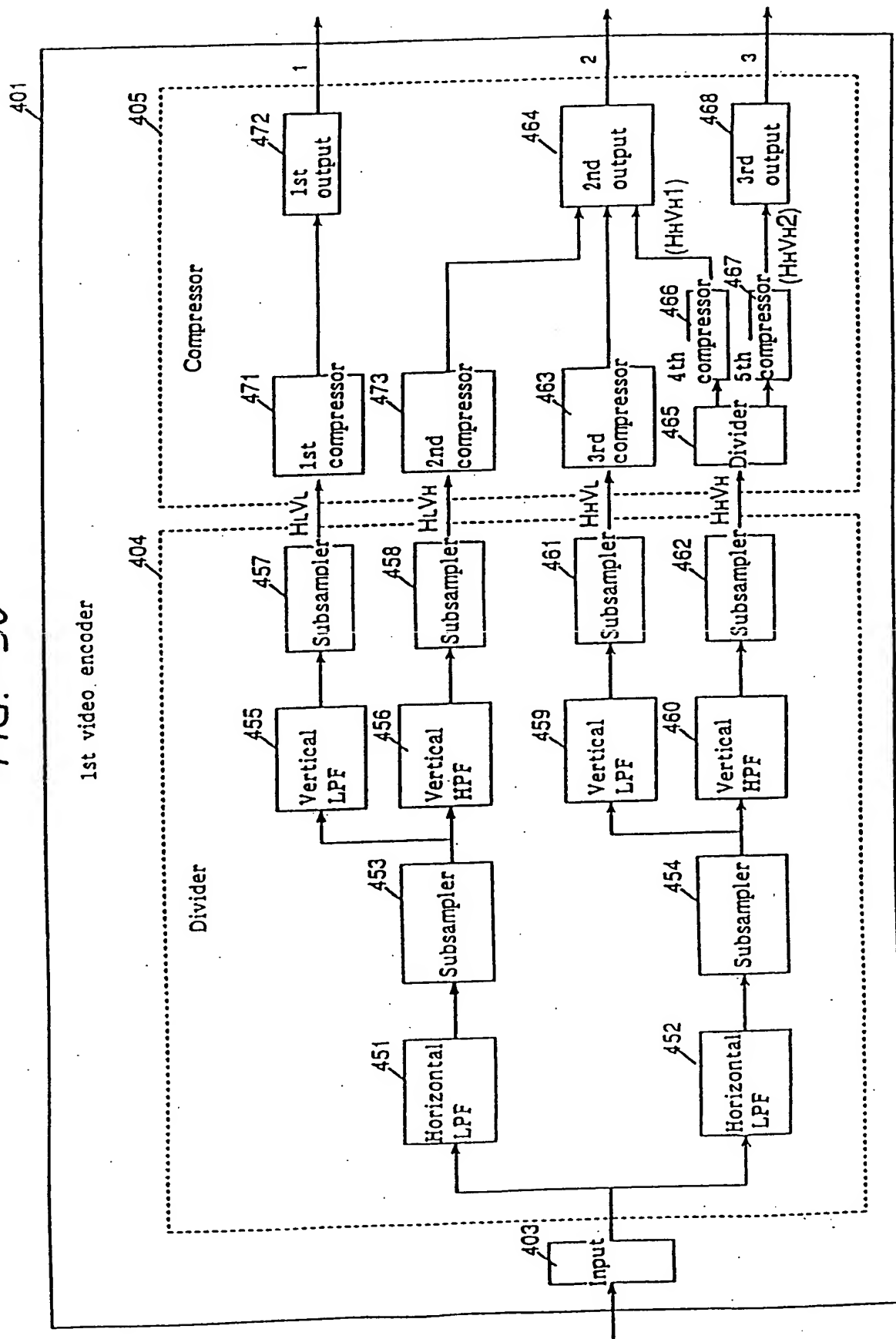


FIG. 31

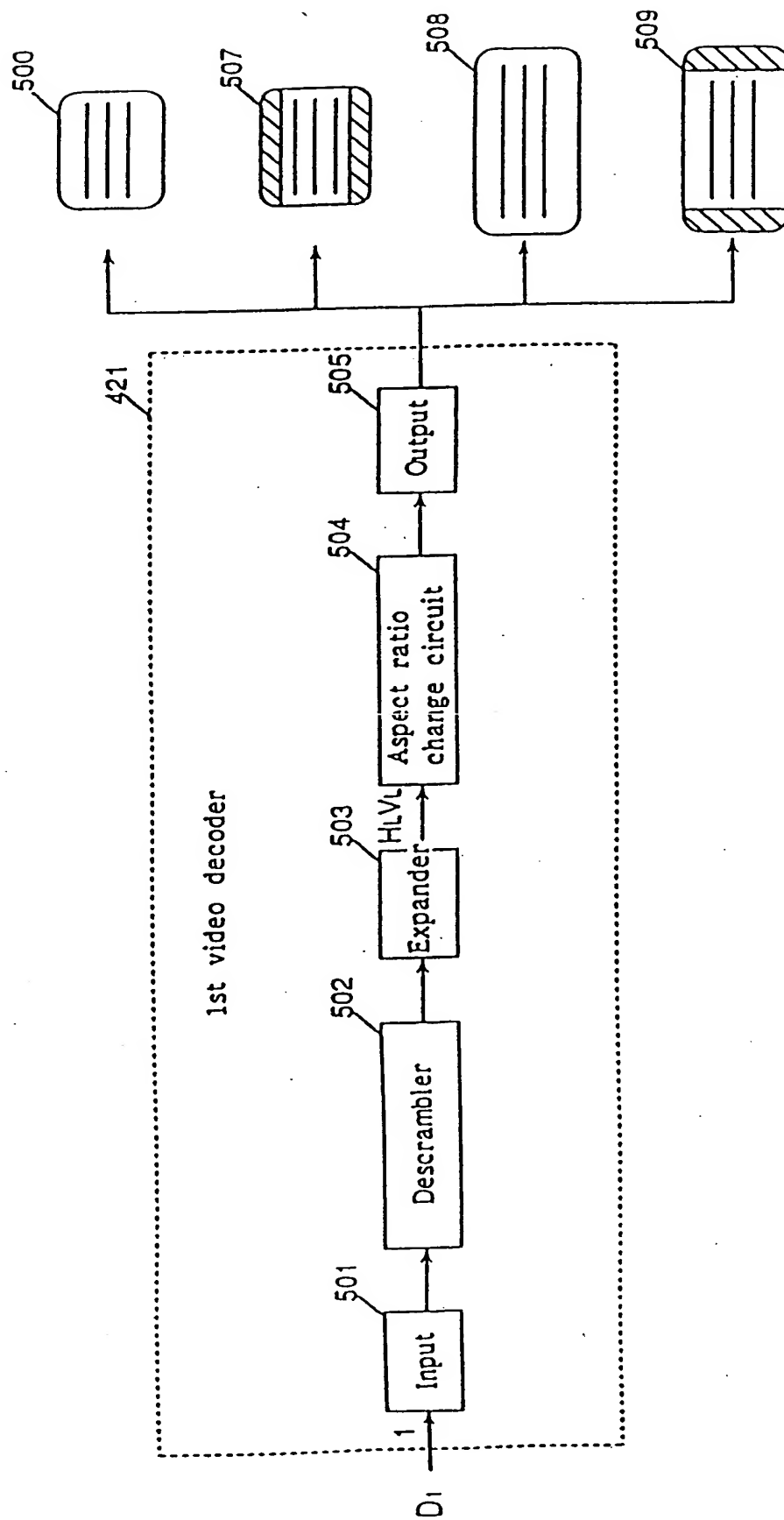


FIG. 32

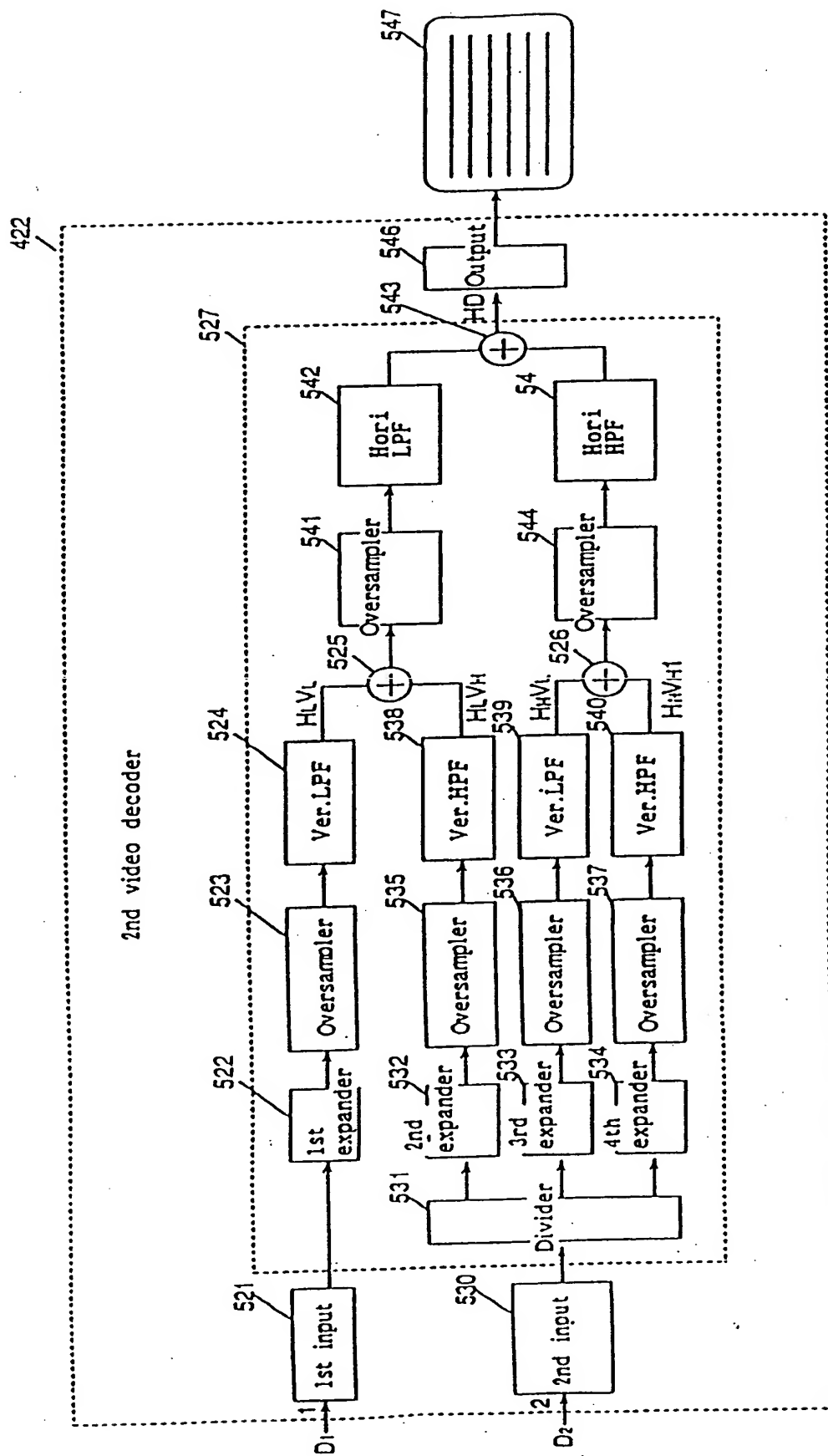




FIG. 33

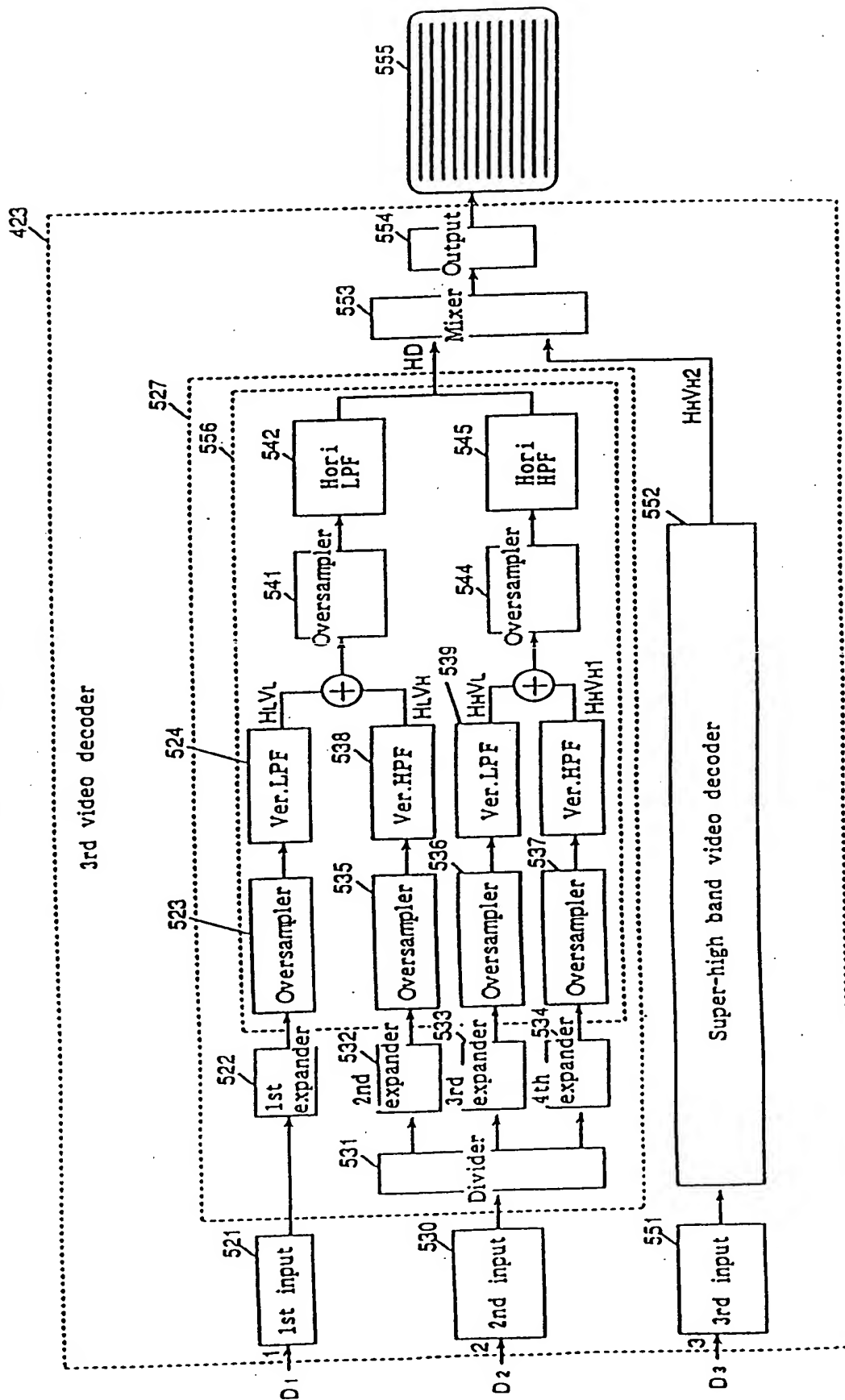


FIG. 34

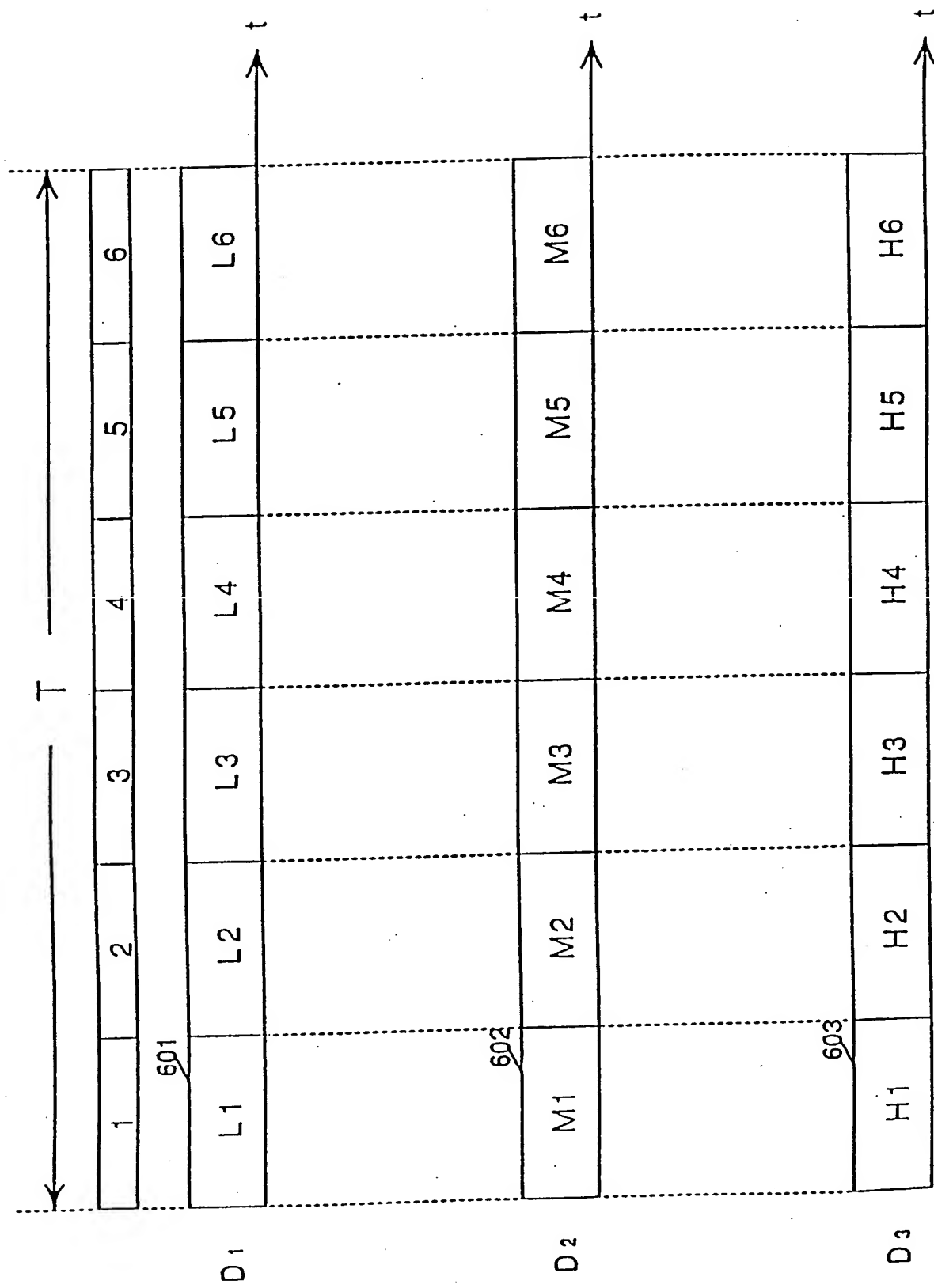


FIG. 35

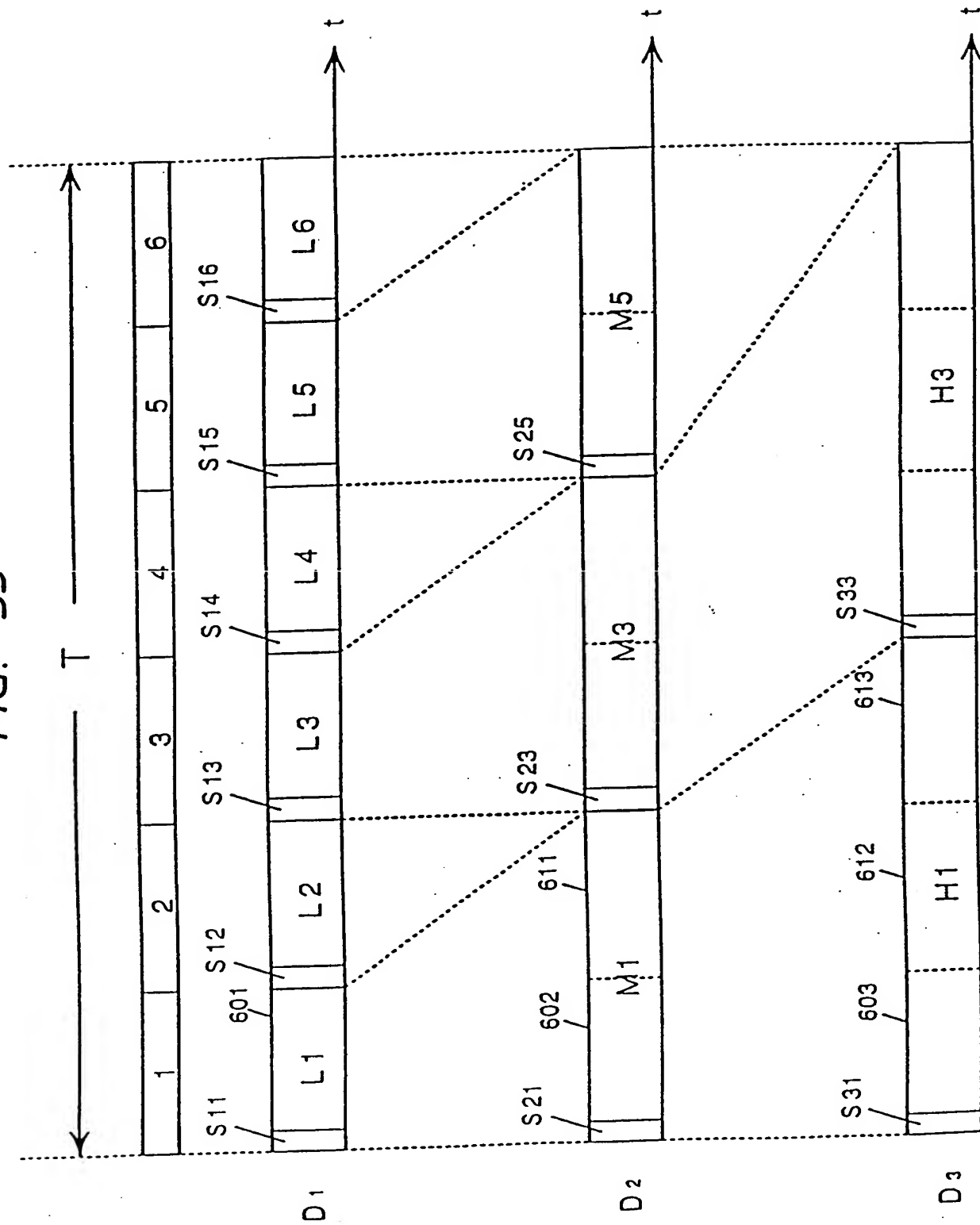


FIG. 36

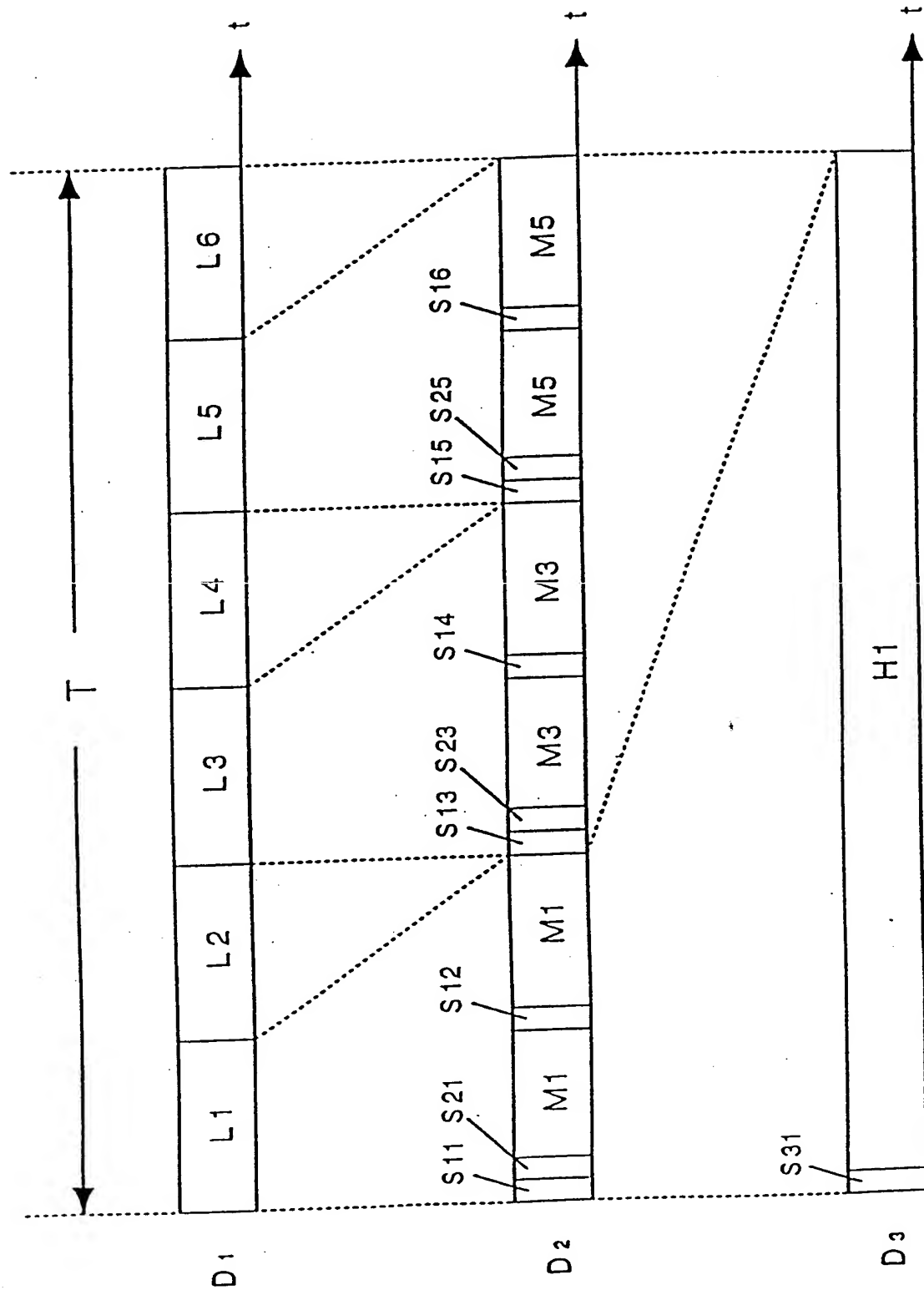


FIG. 37

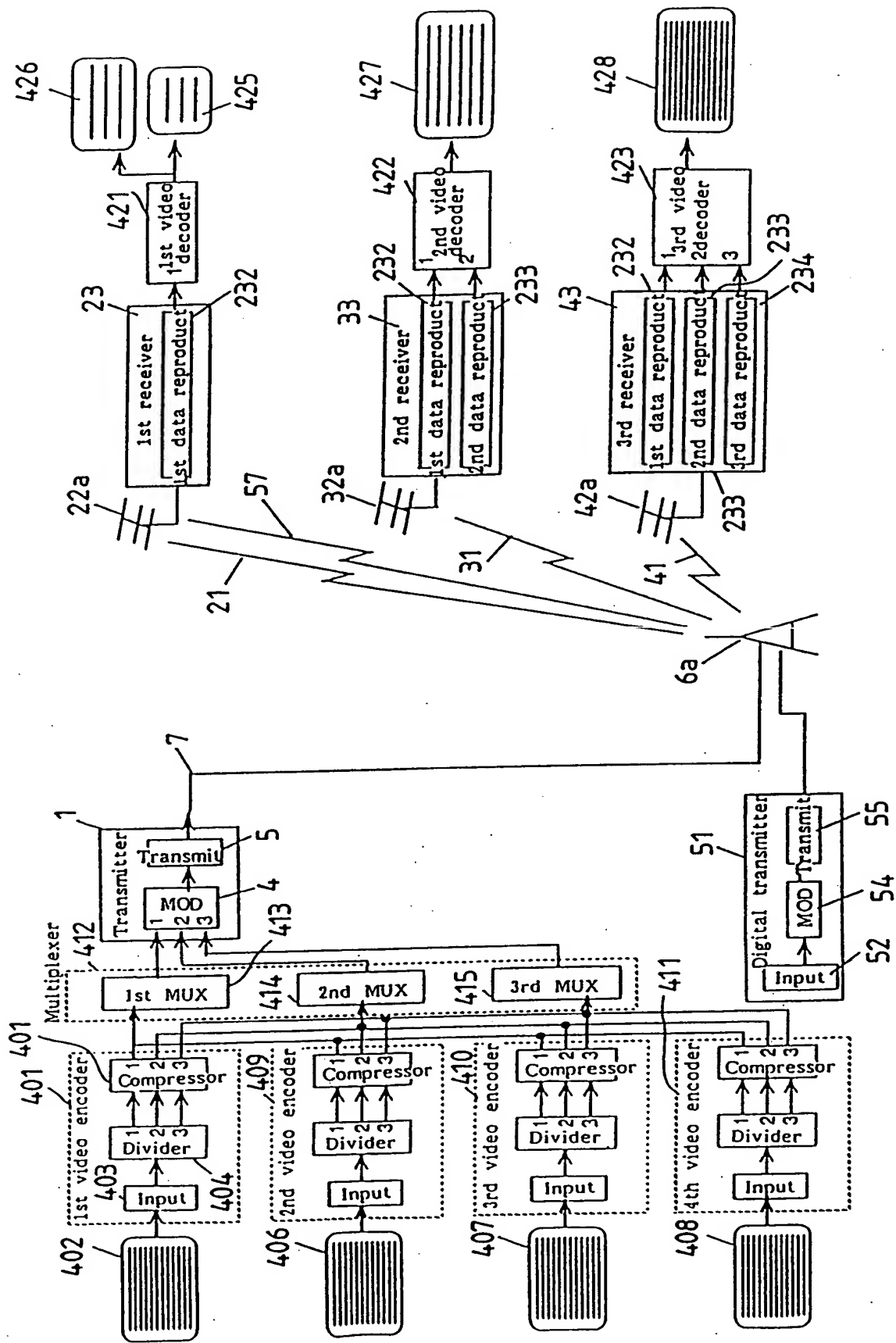
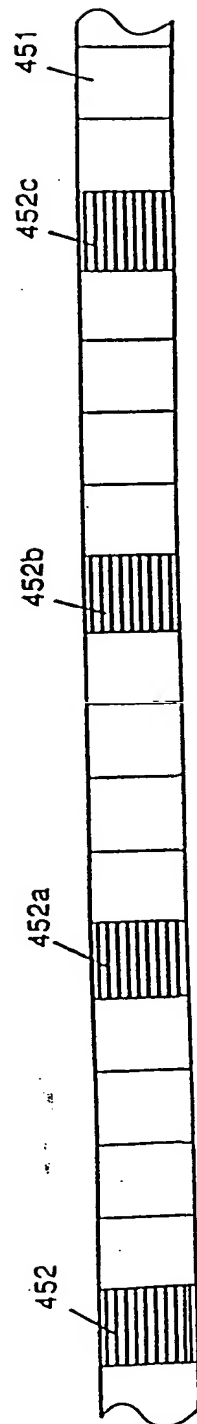
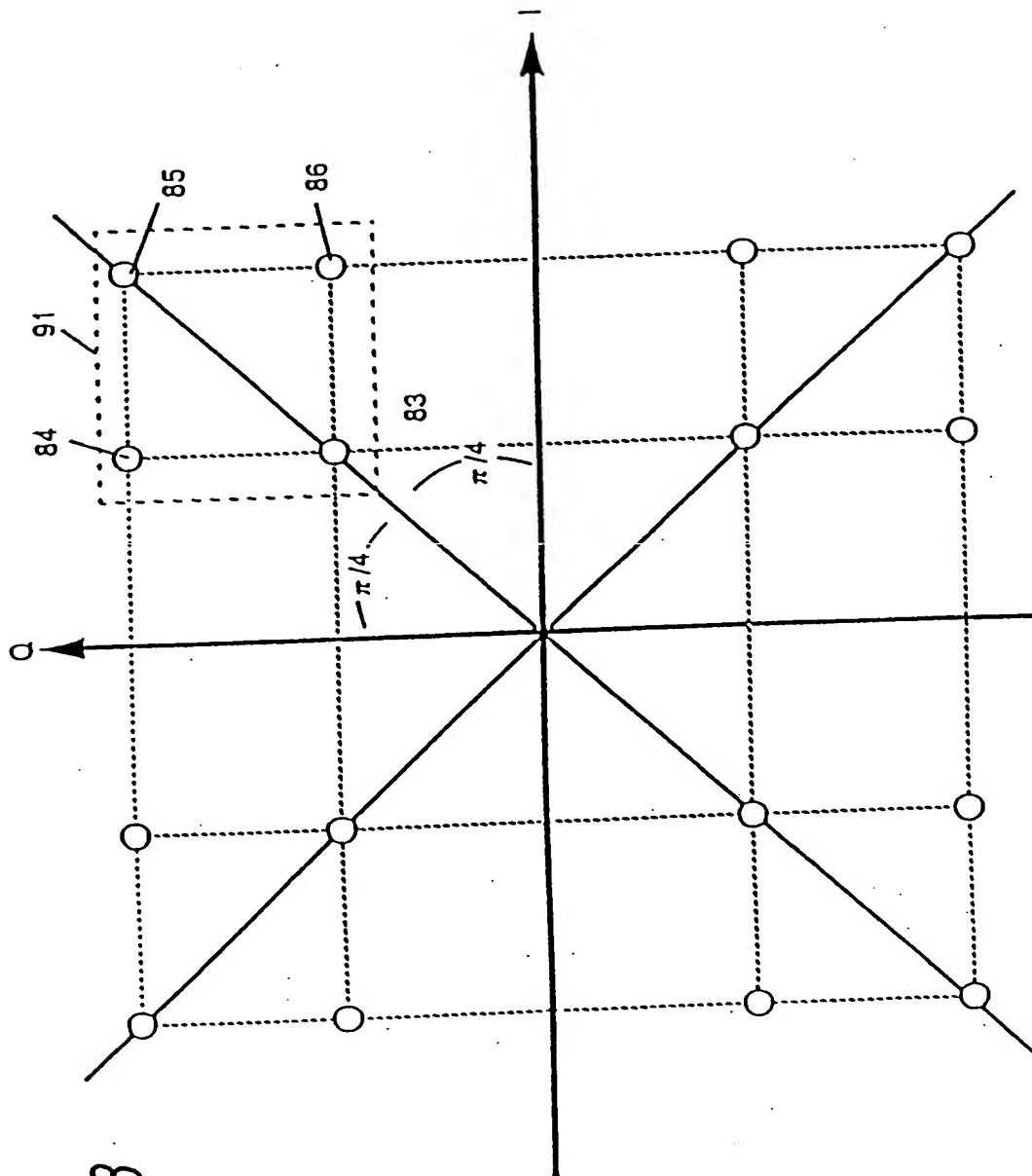


FIG. 38



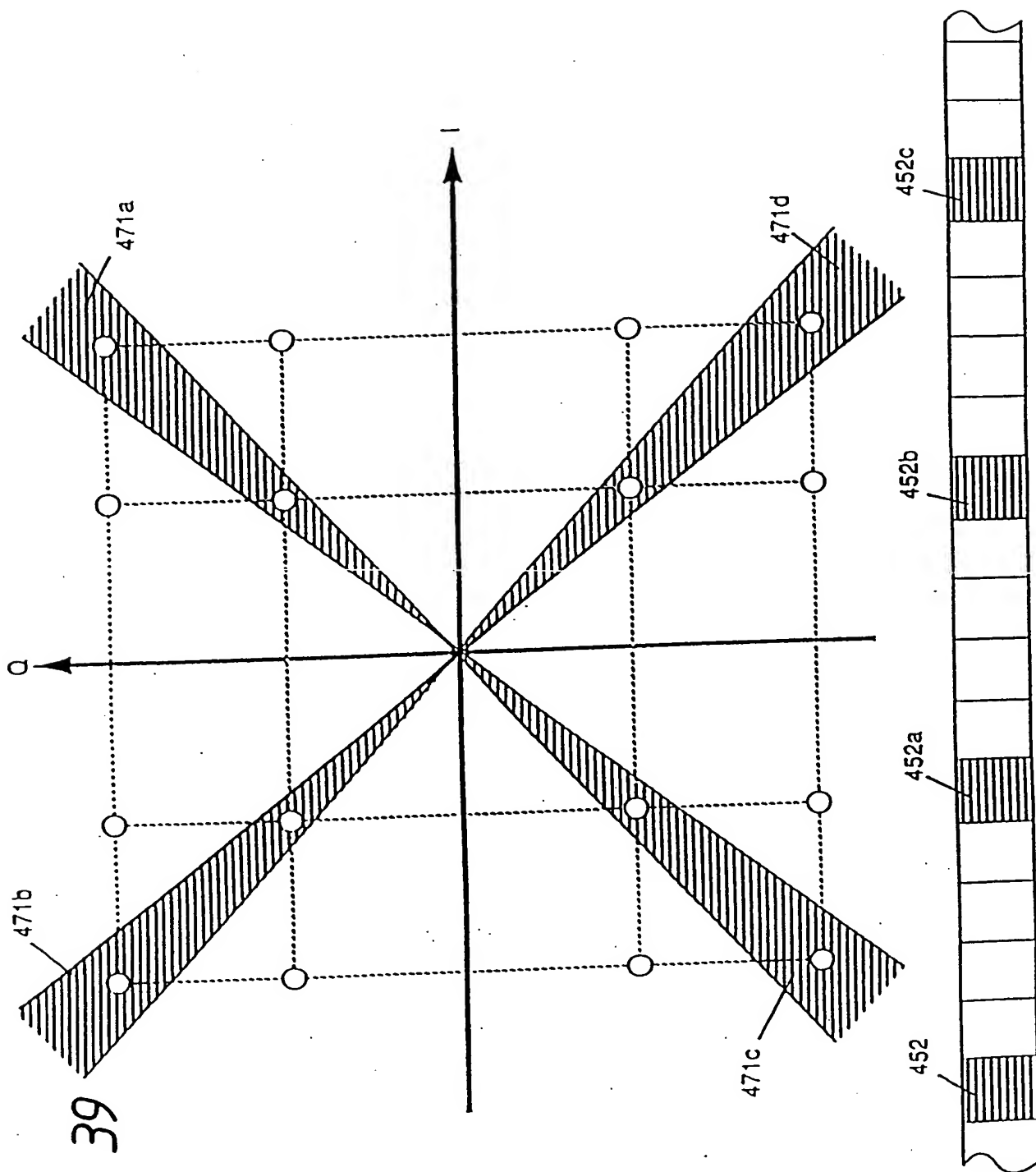


FIG. 40

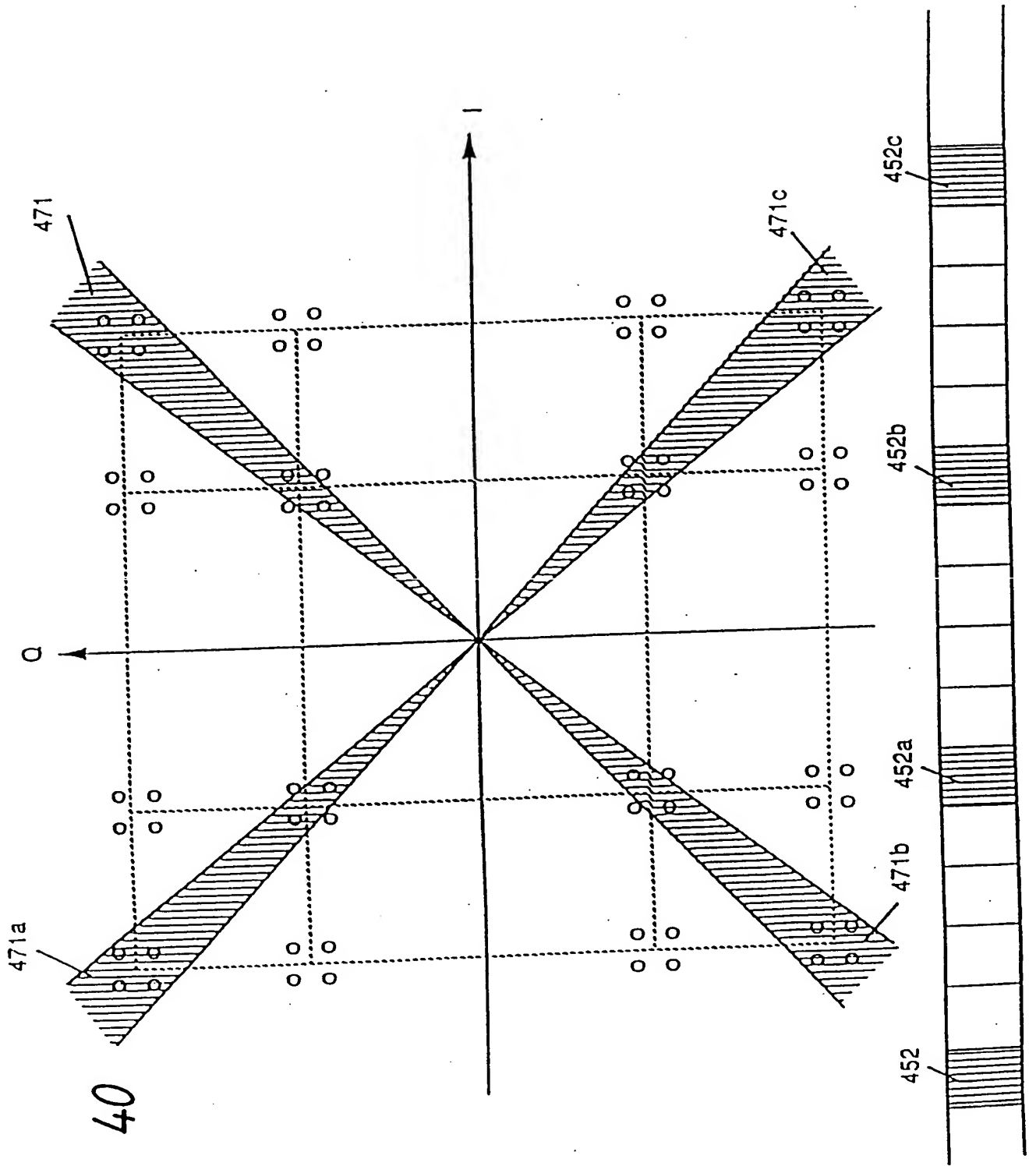




FIG. 41

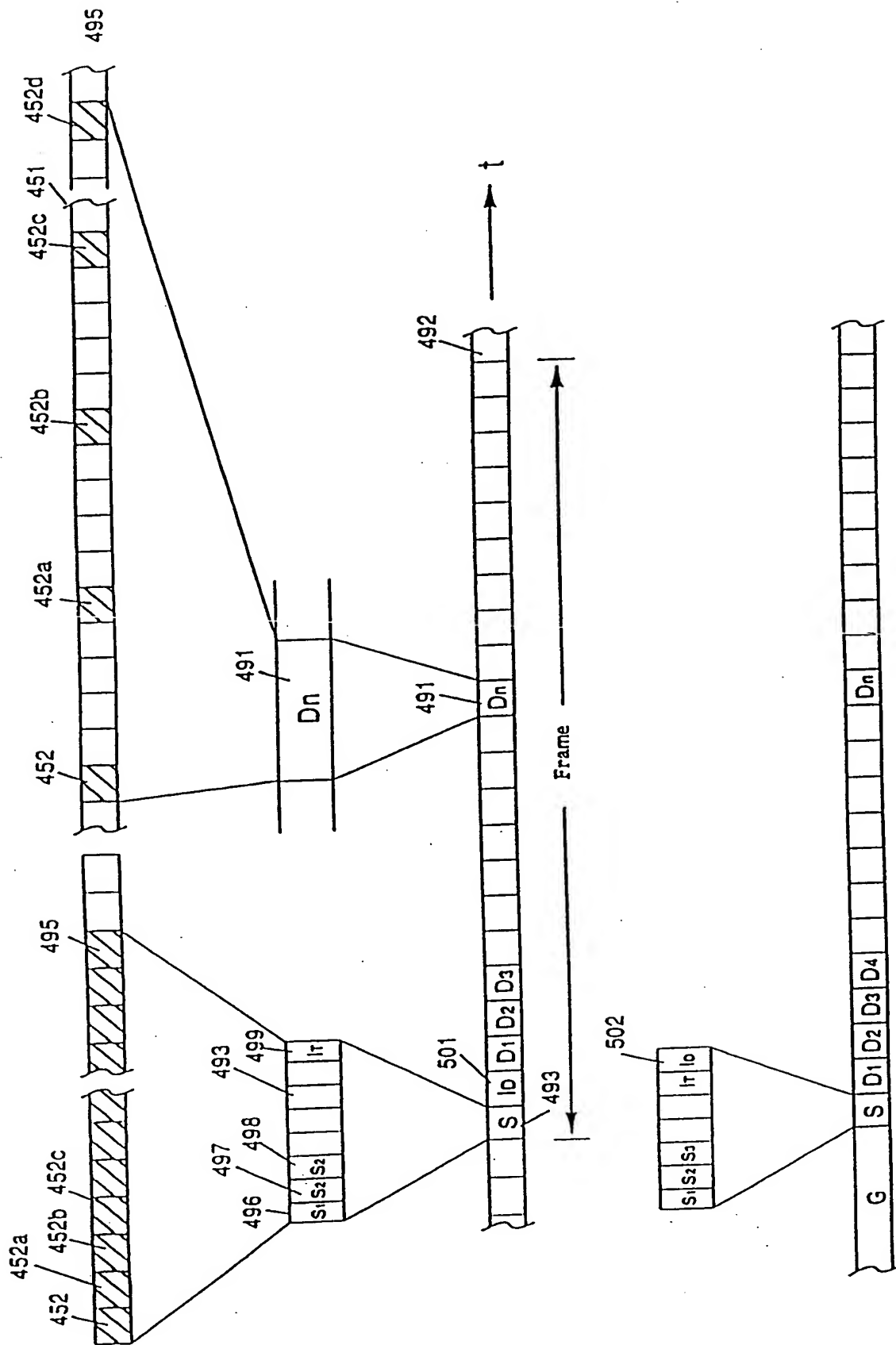


FIG. 42

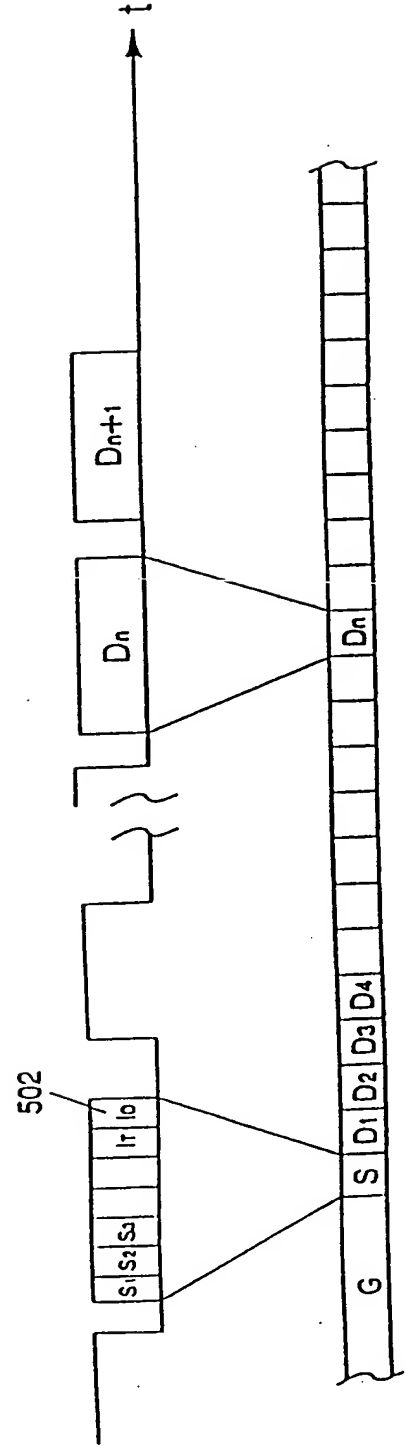
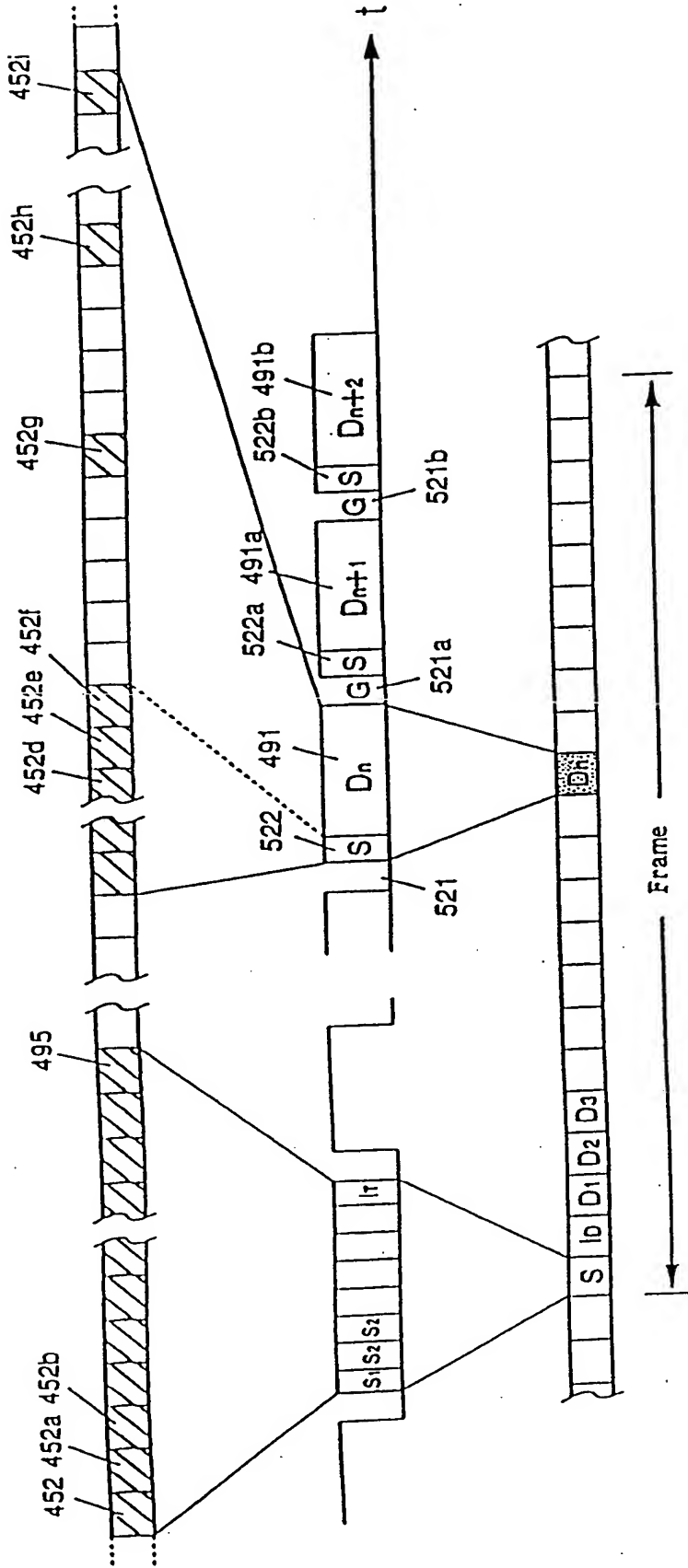


FIG. 43

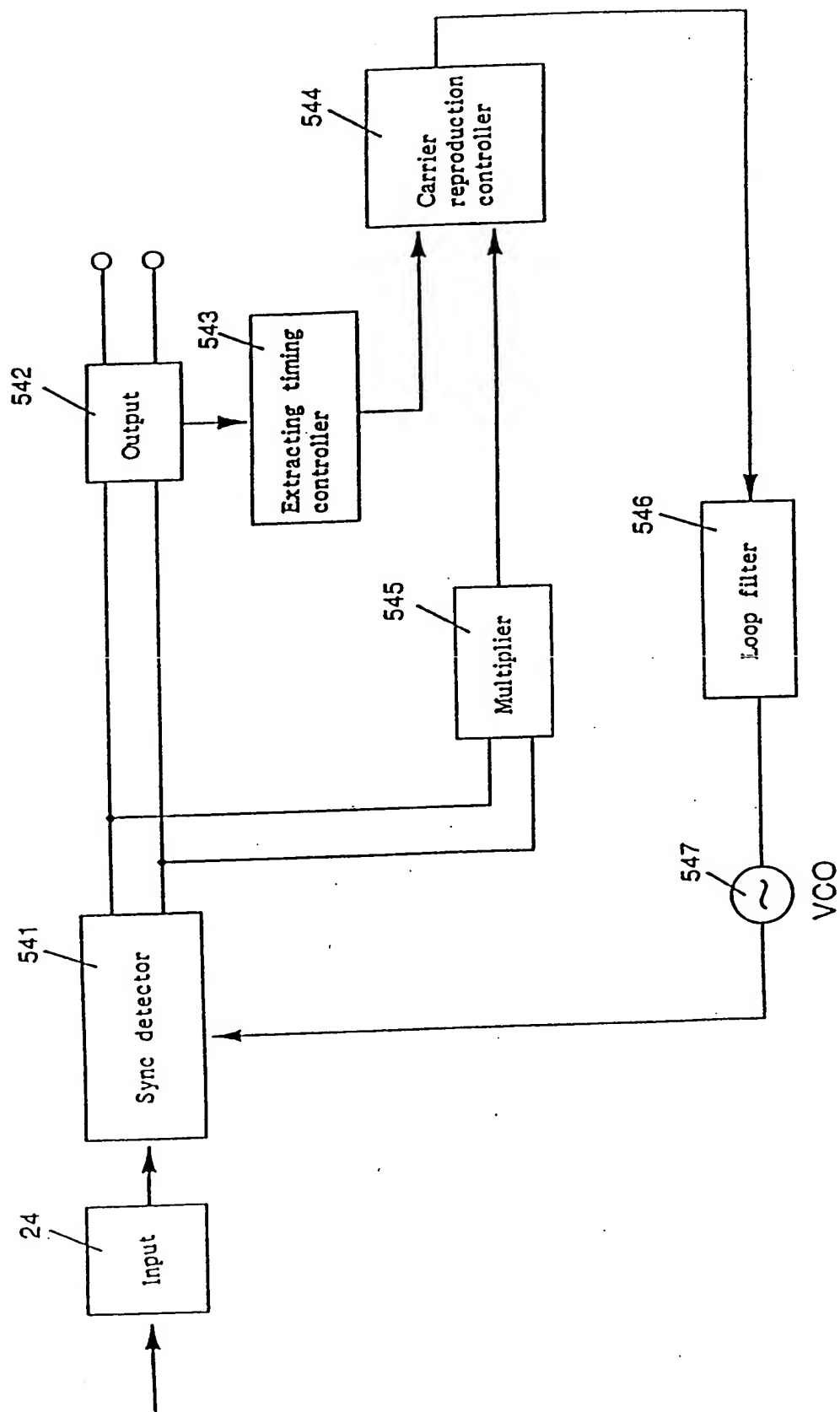


FIG. 44

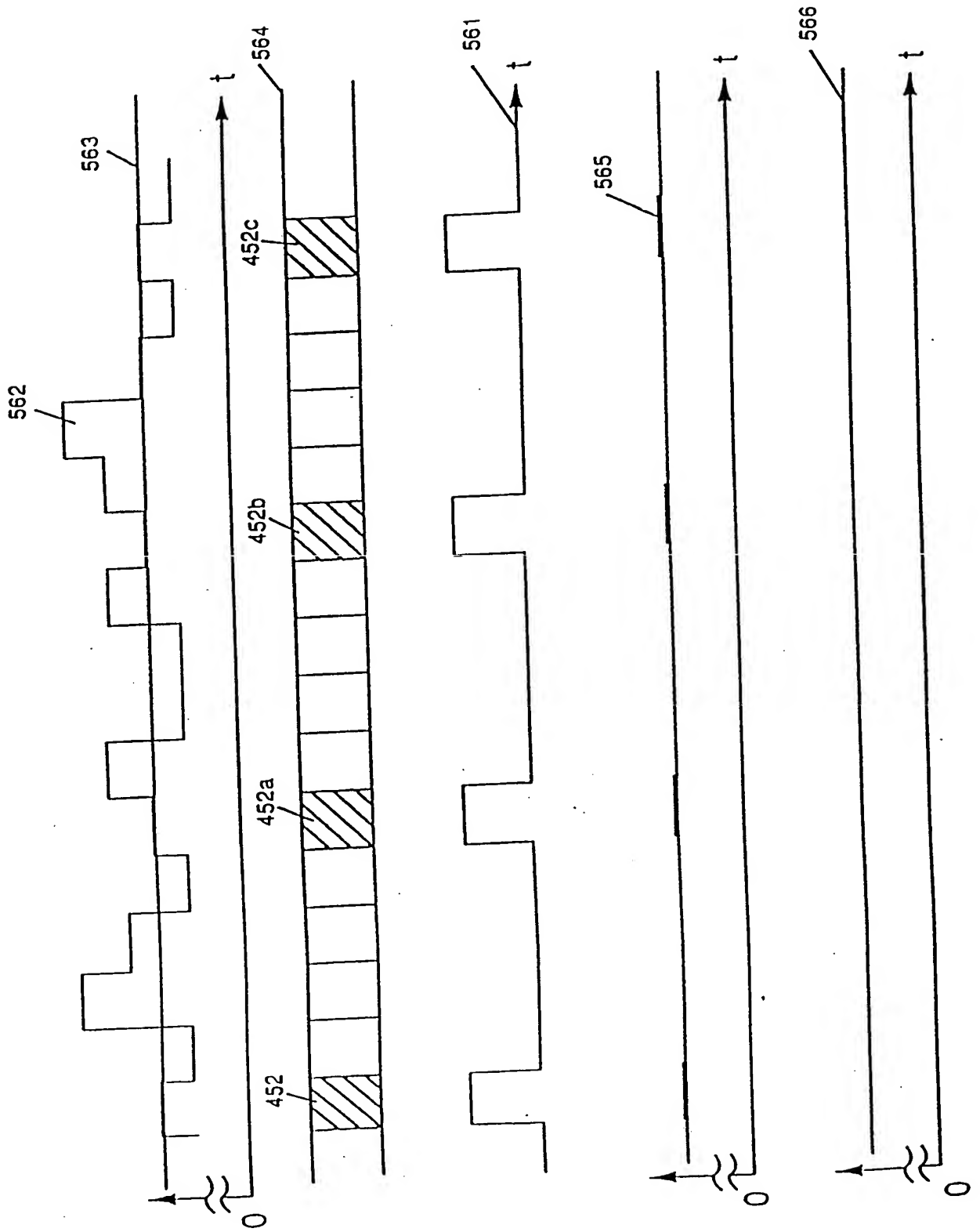


FIG. 45

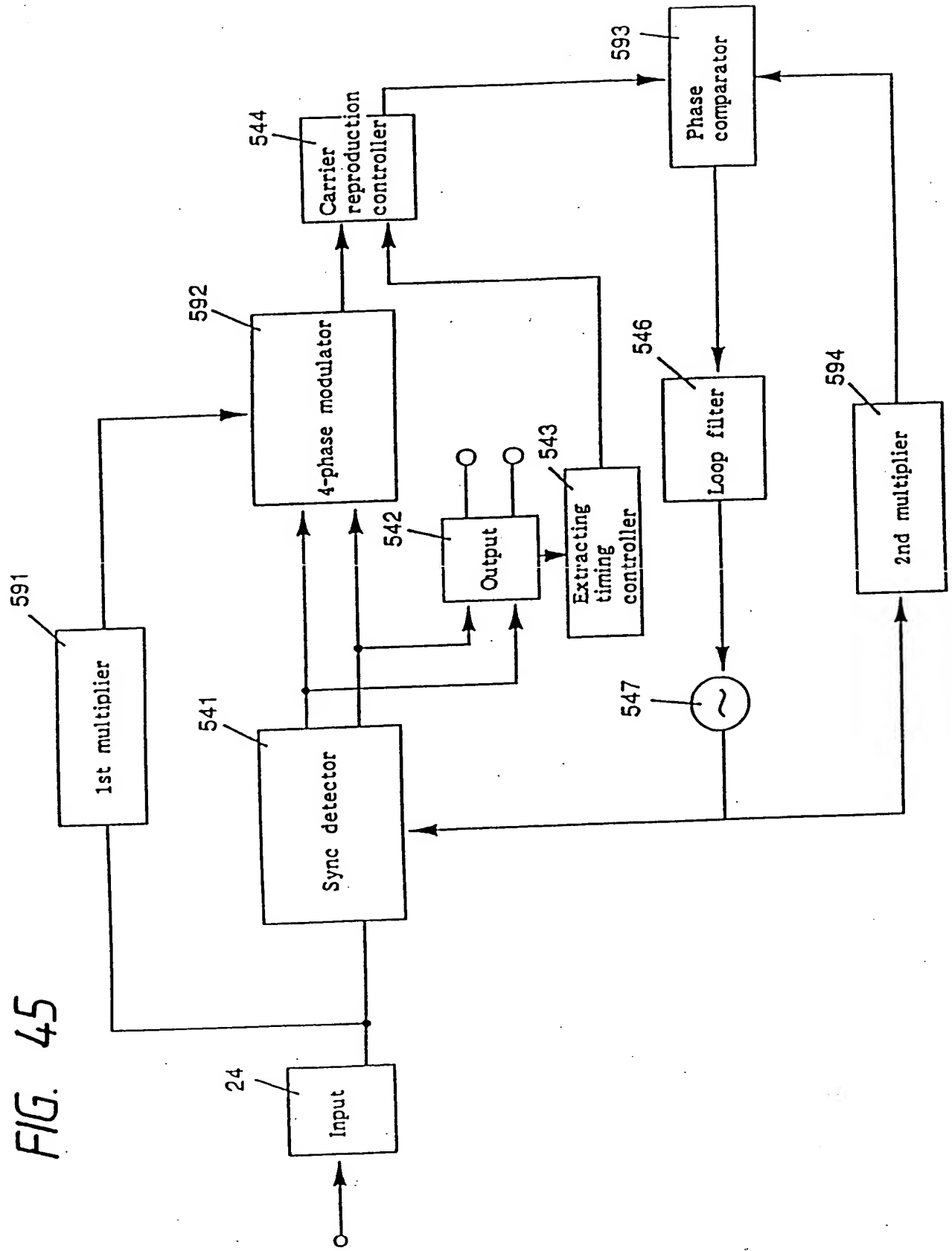


FIG. 46

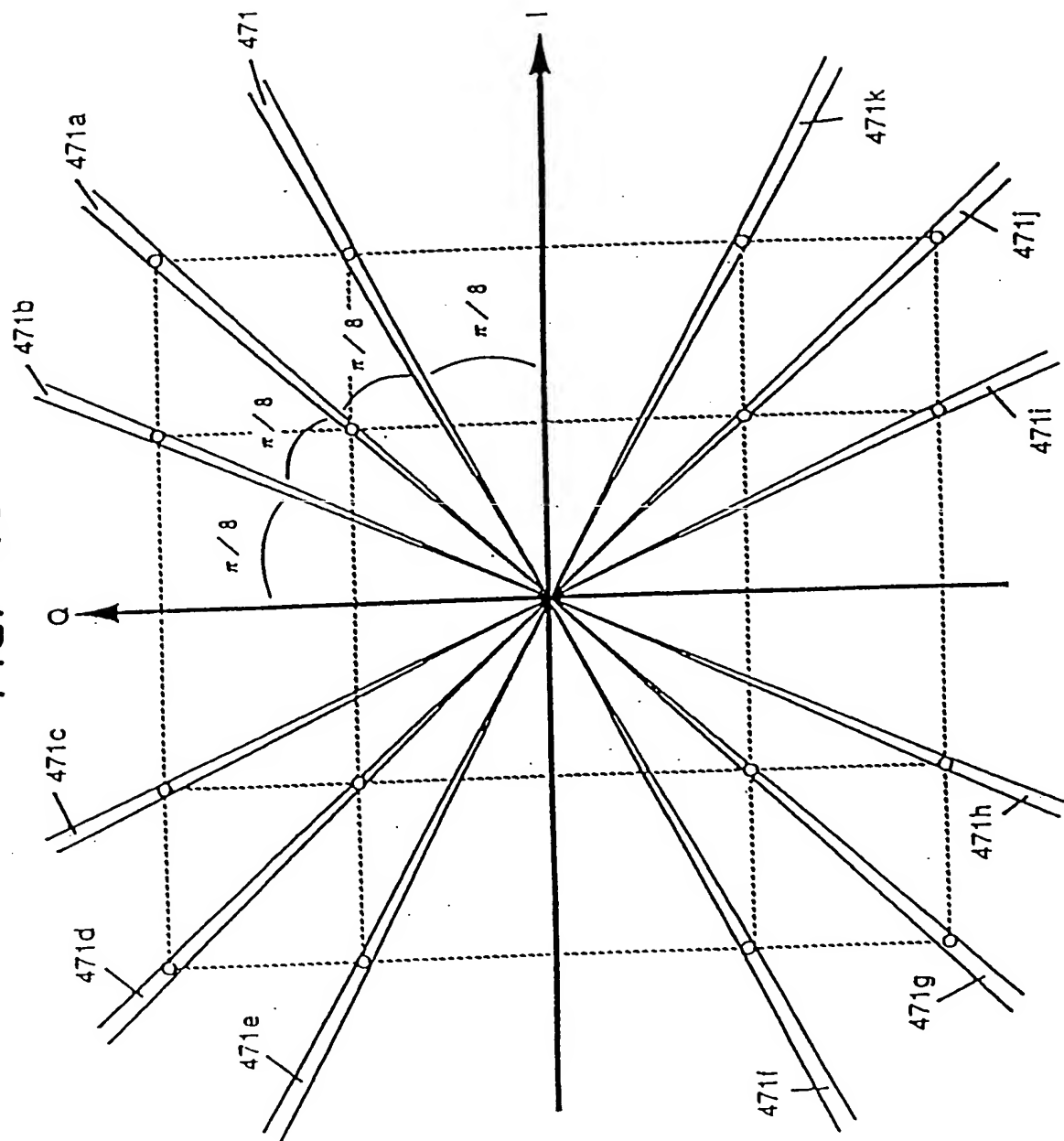


FIG. 47

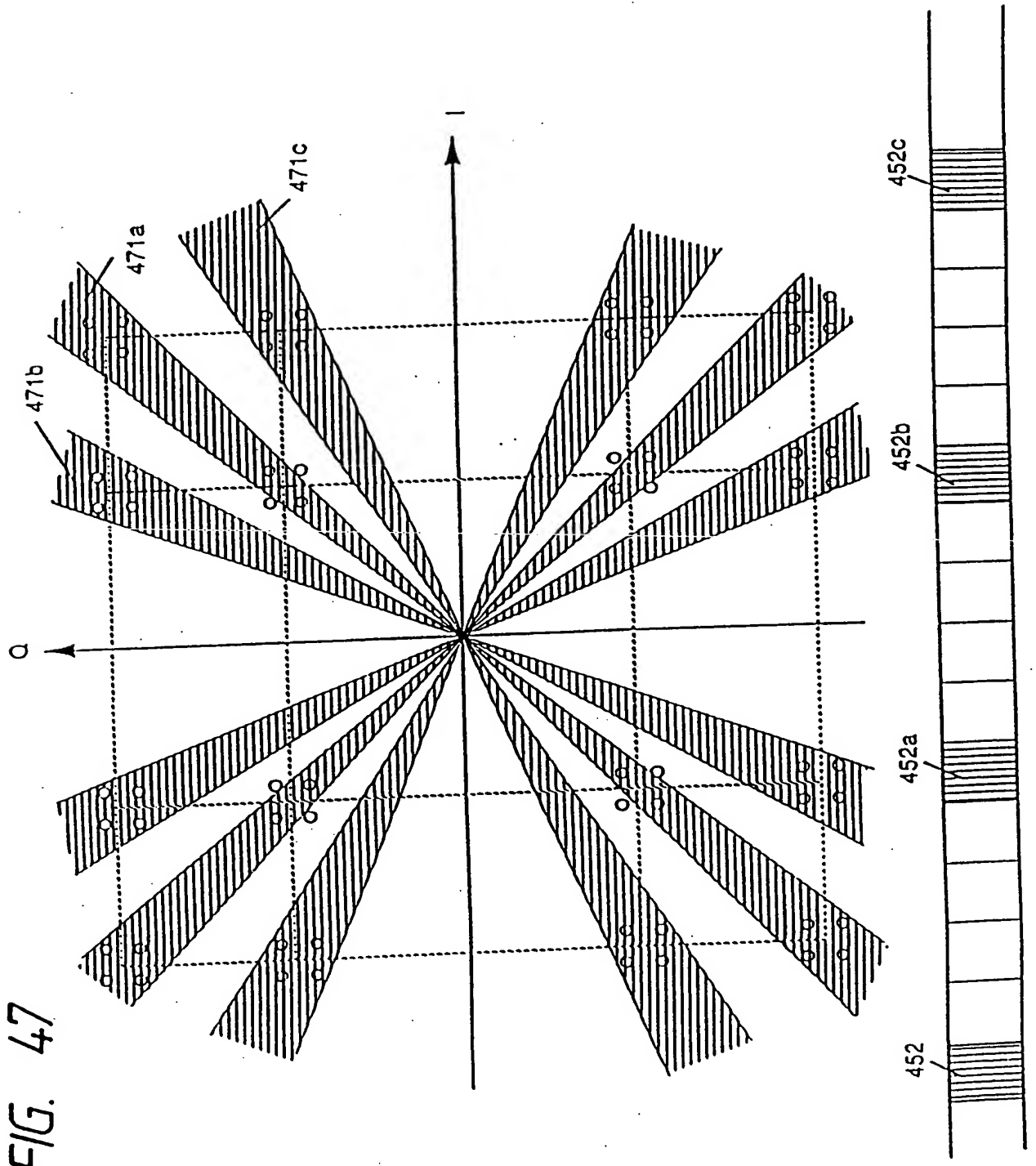


FIG. 48

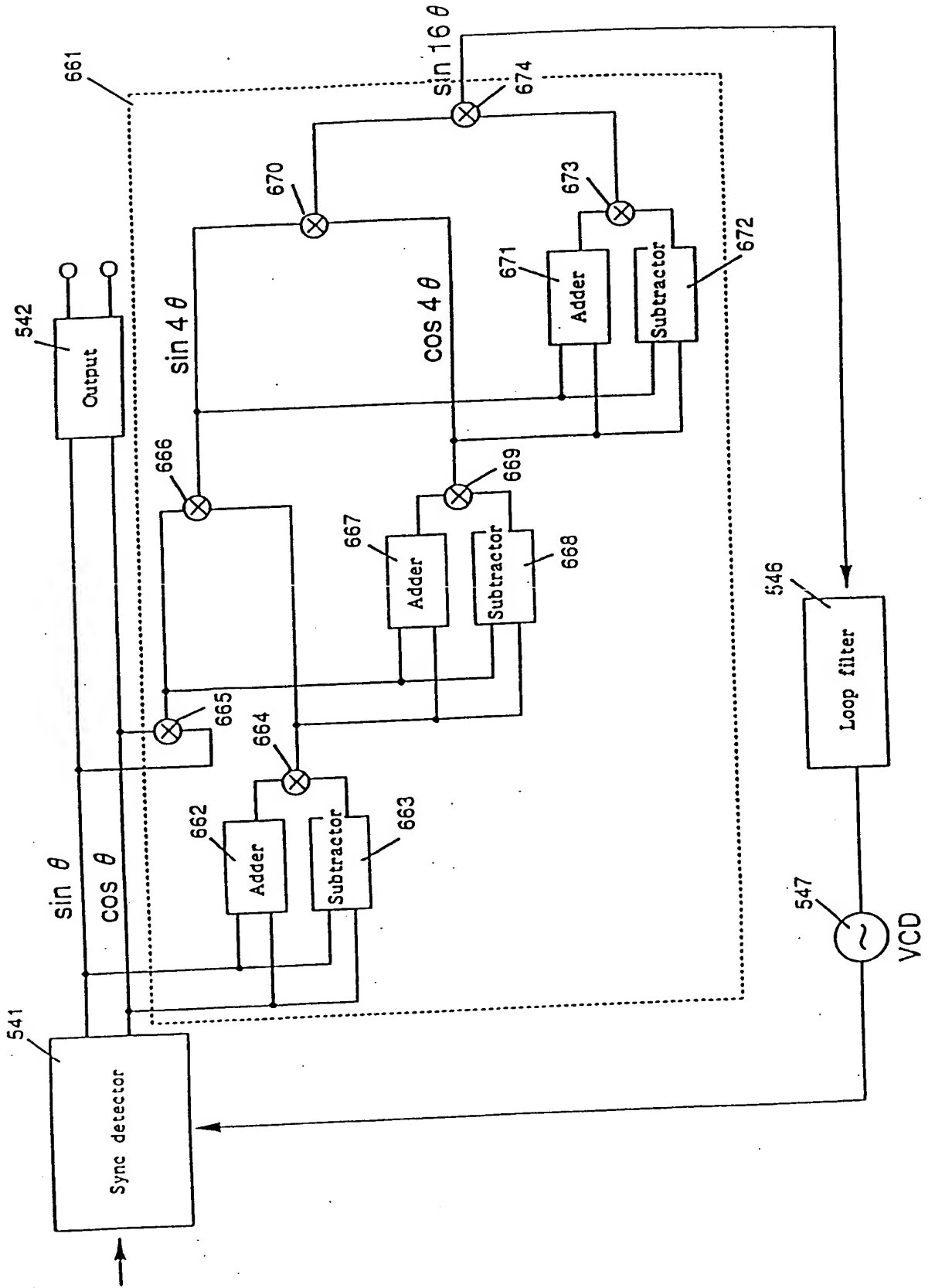




FIG. 49

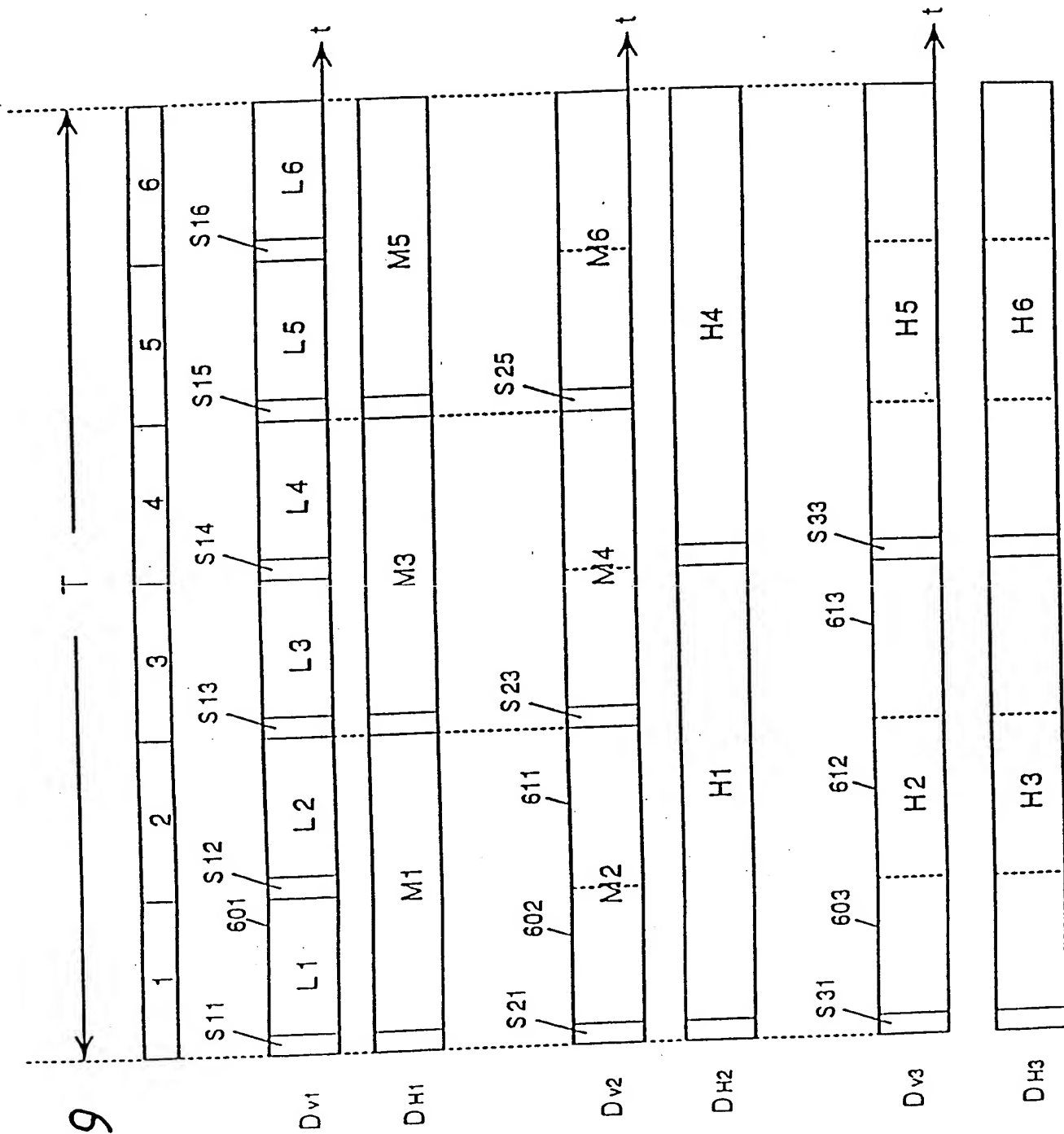


FIG. 50

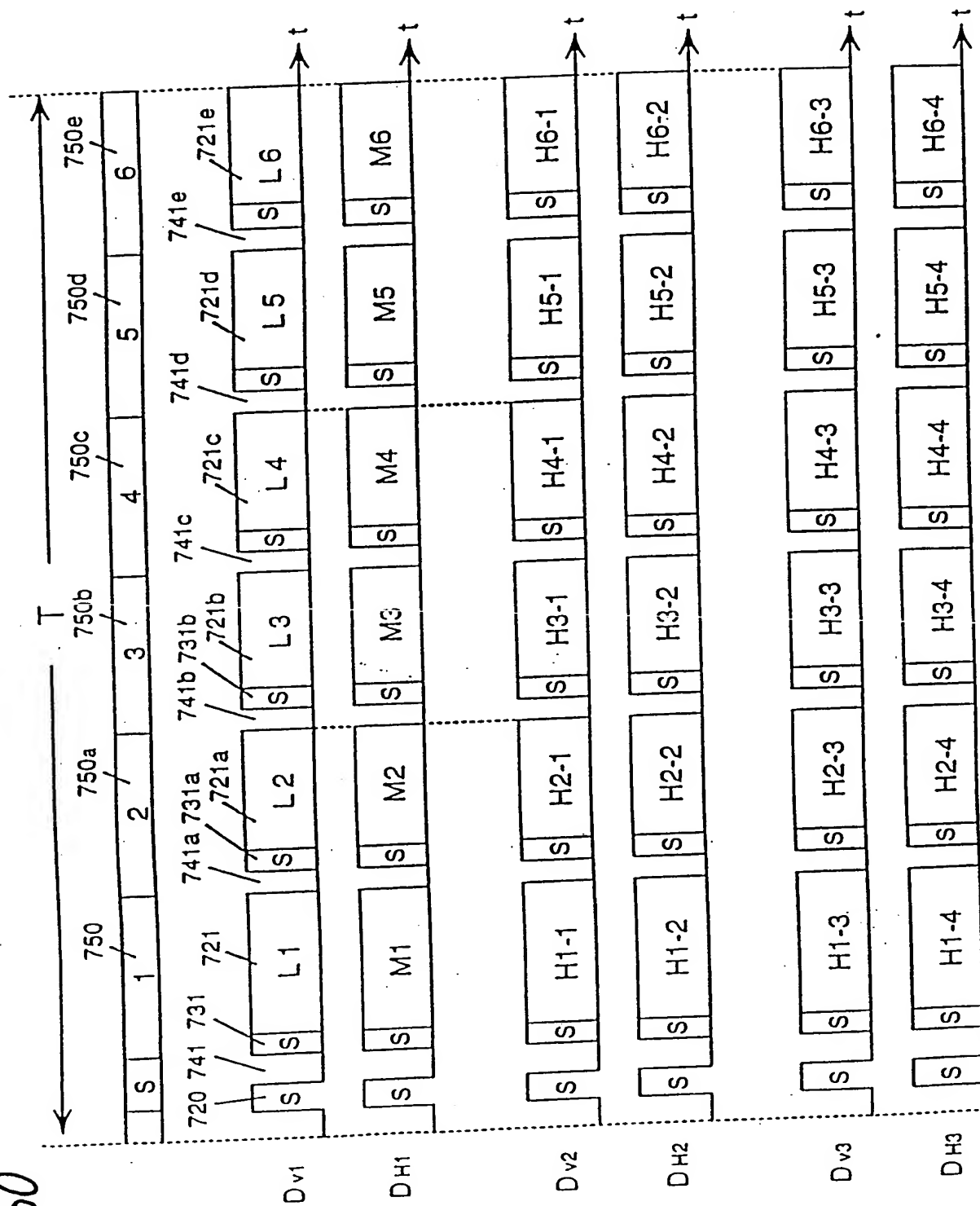


FIG. 51

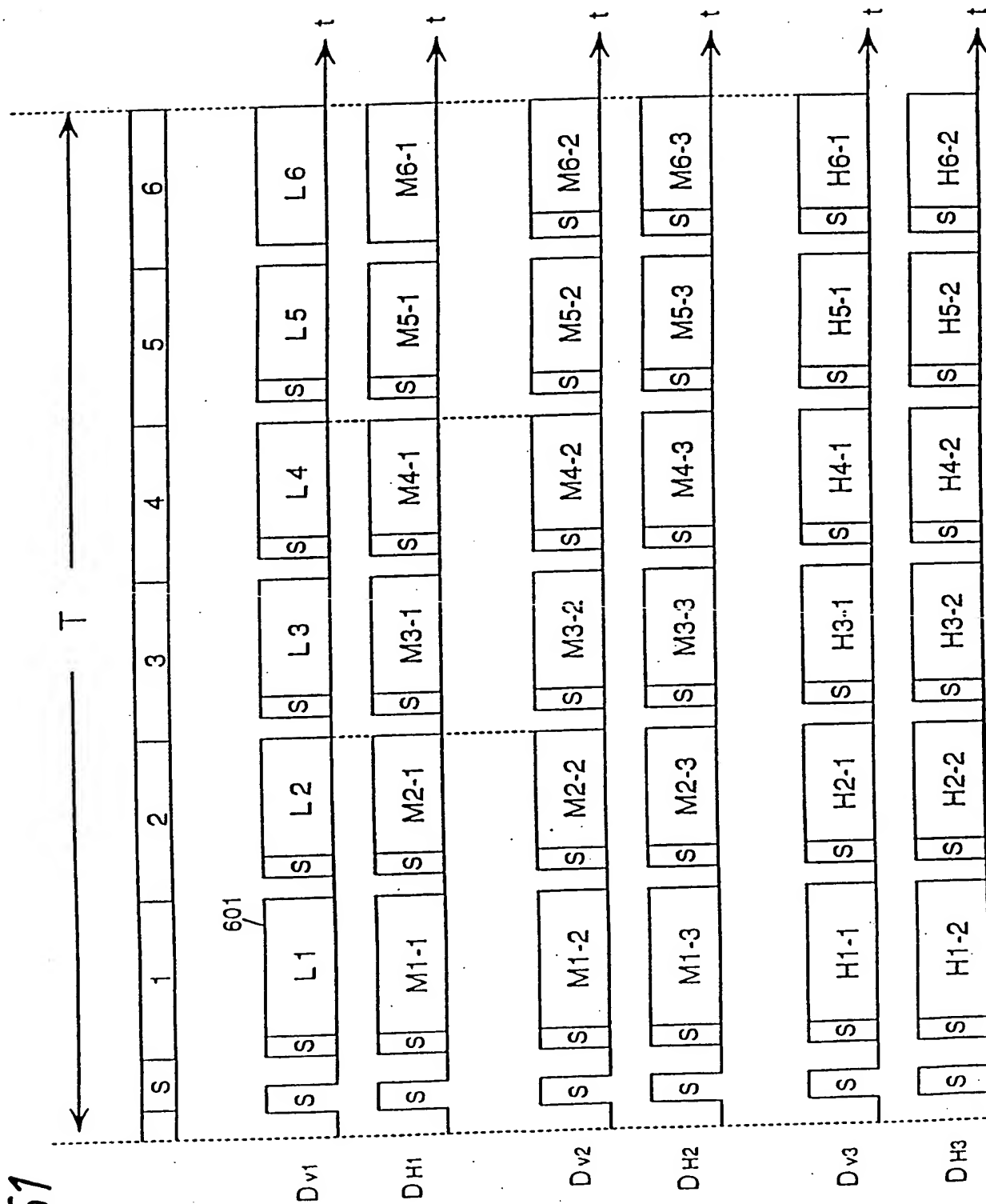


FIG. 52

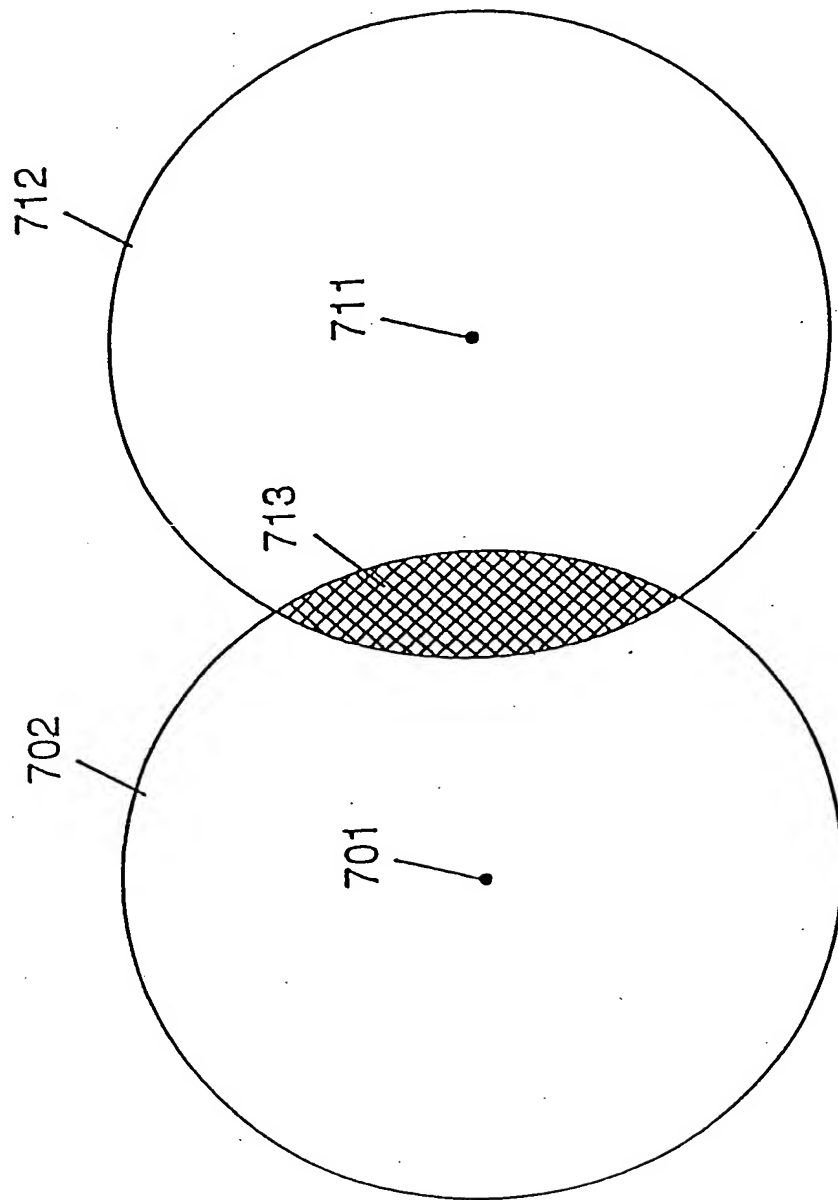


FIG. 53

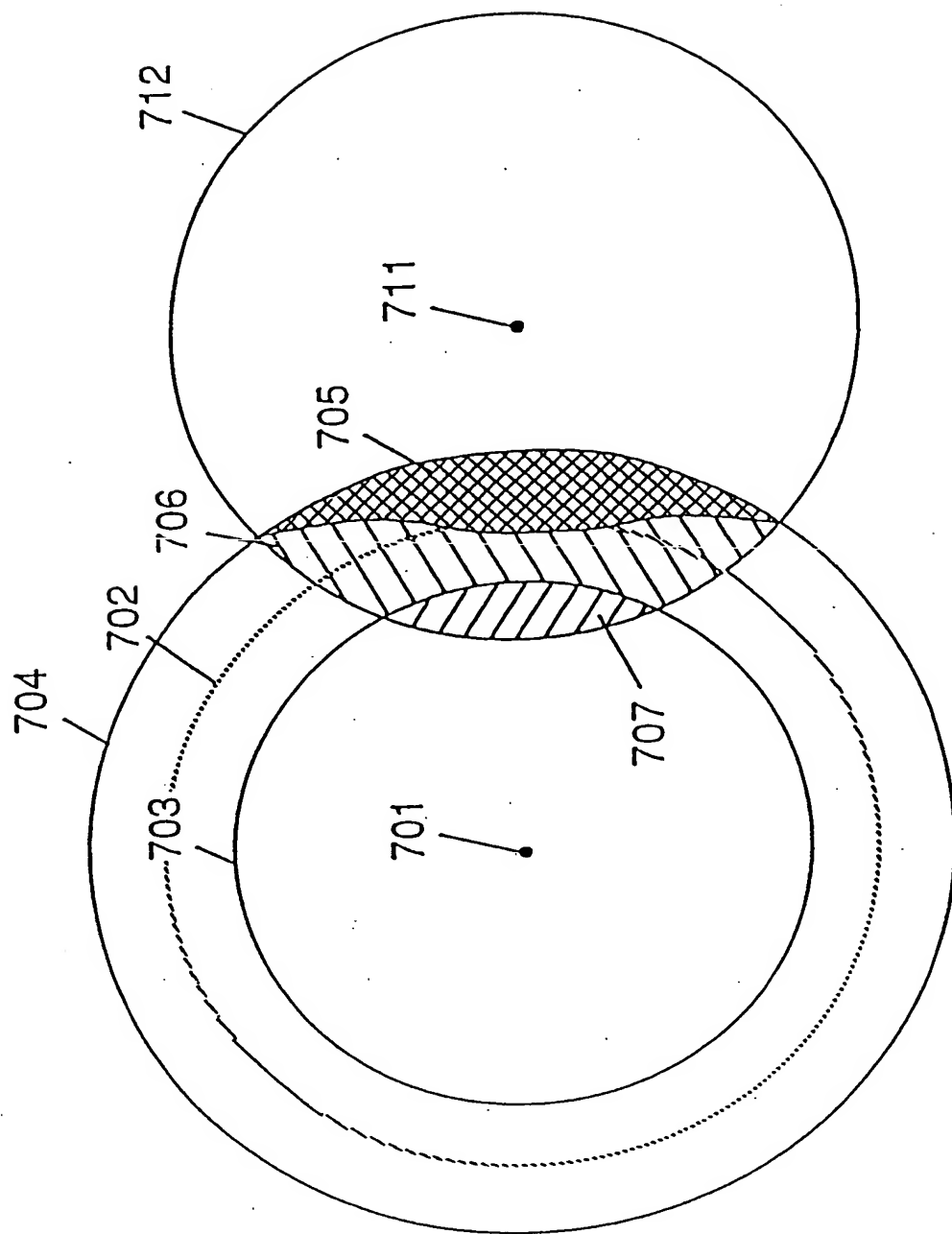


FIG. 54

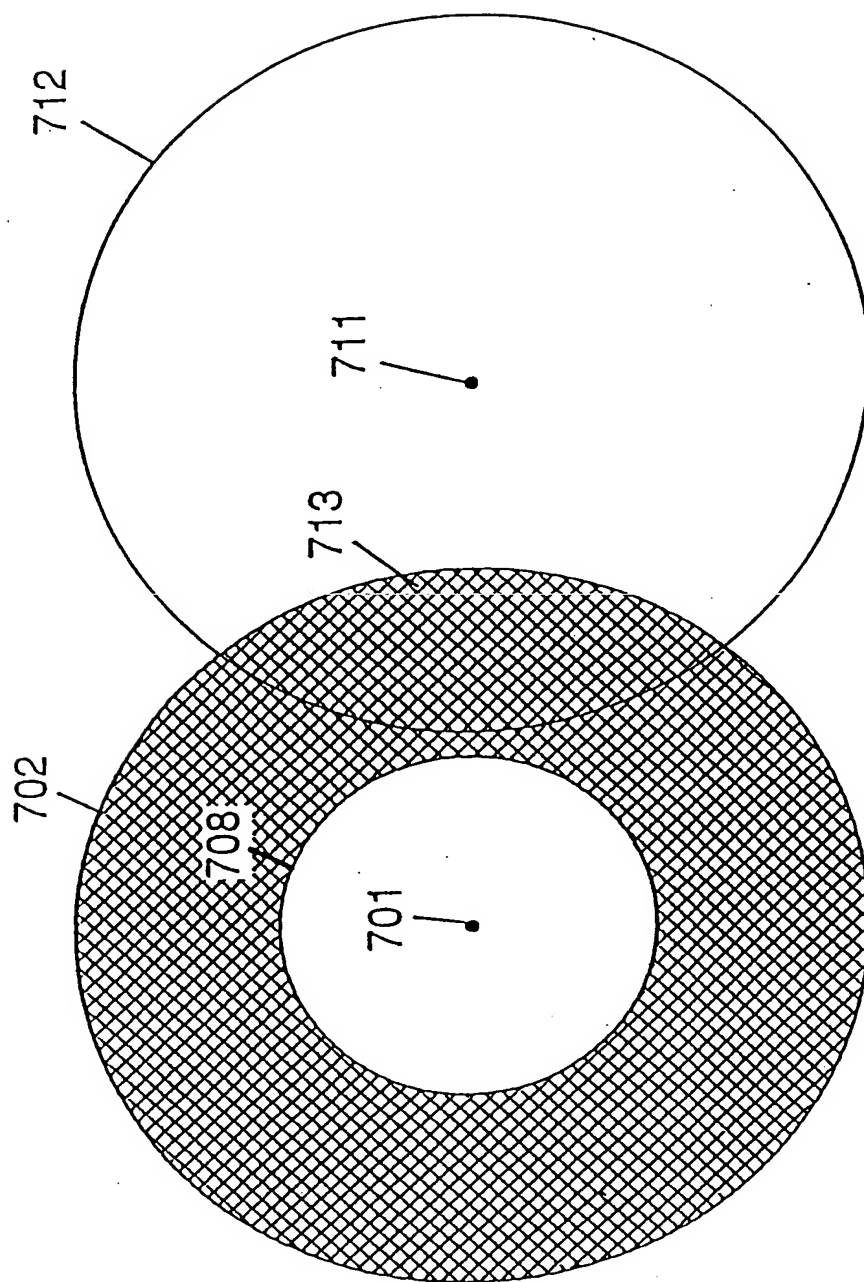


FIG. 55

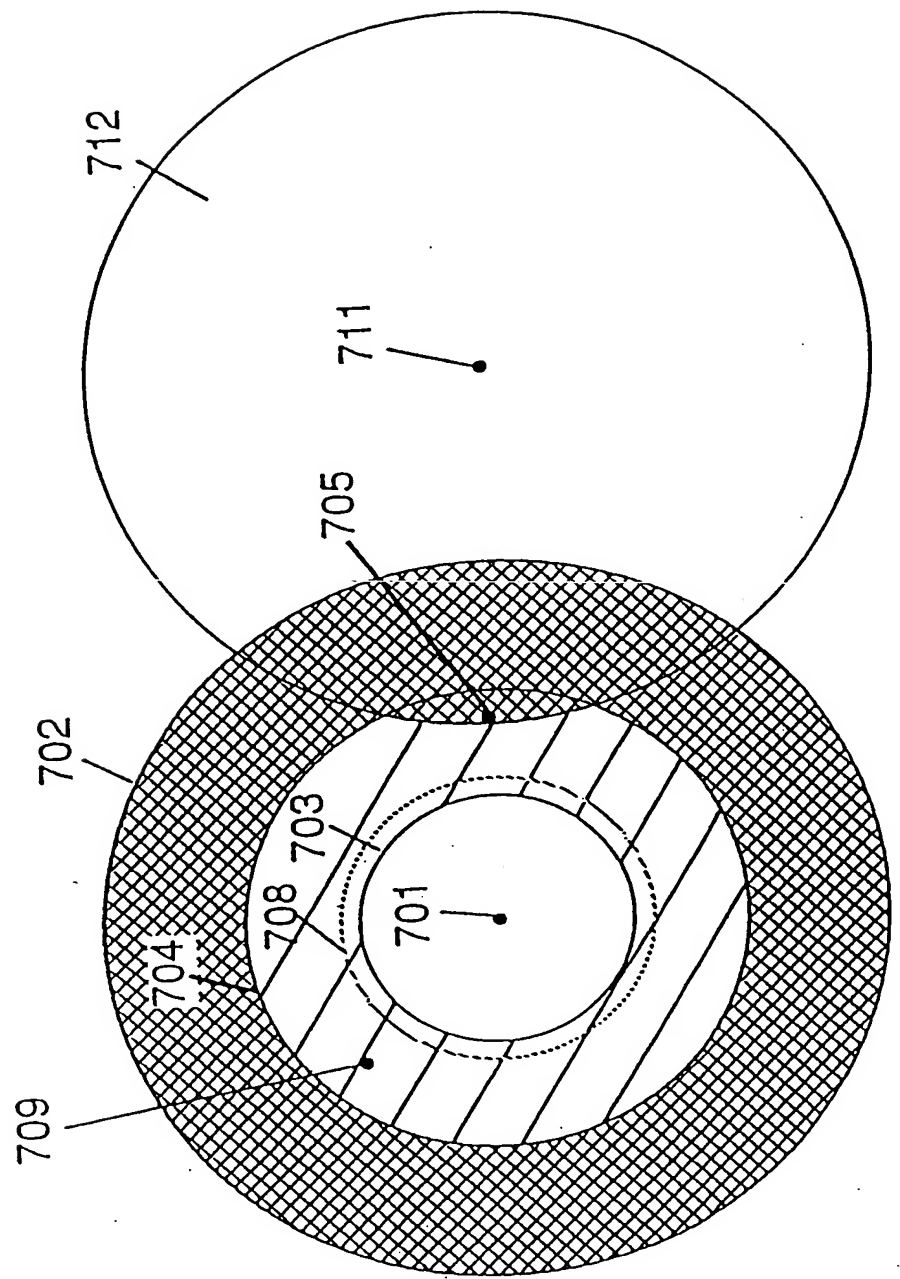


FIG. 56

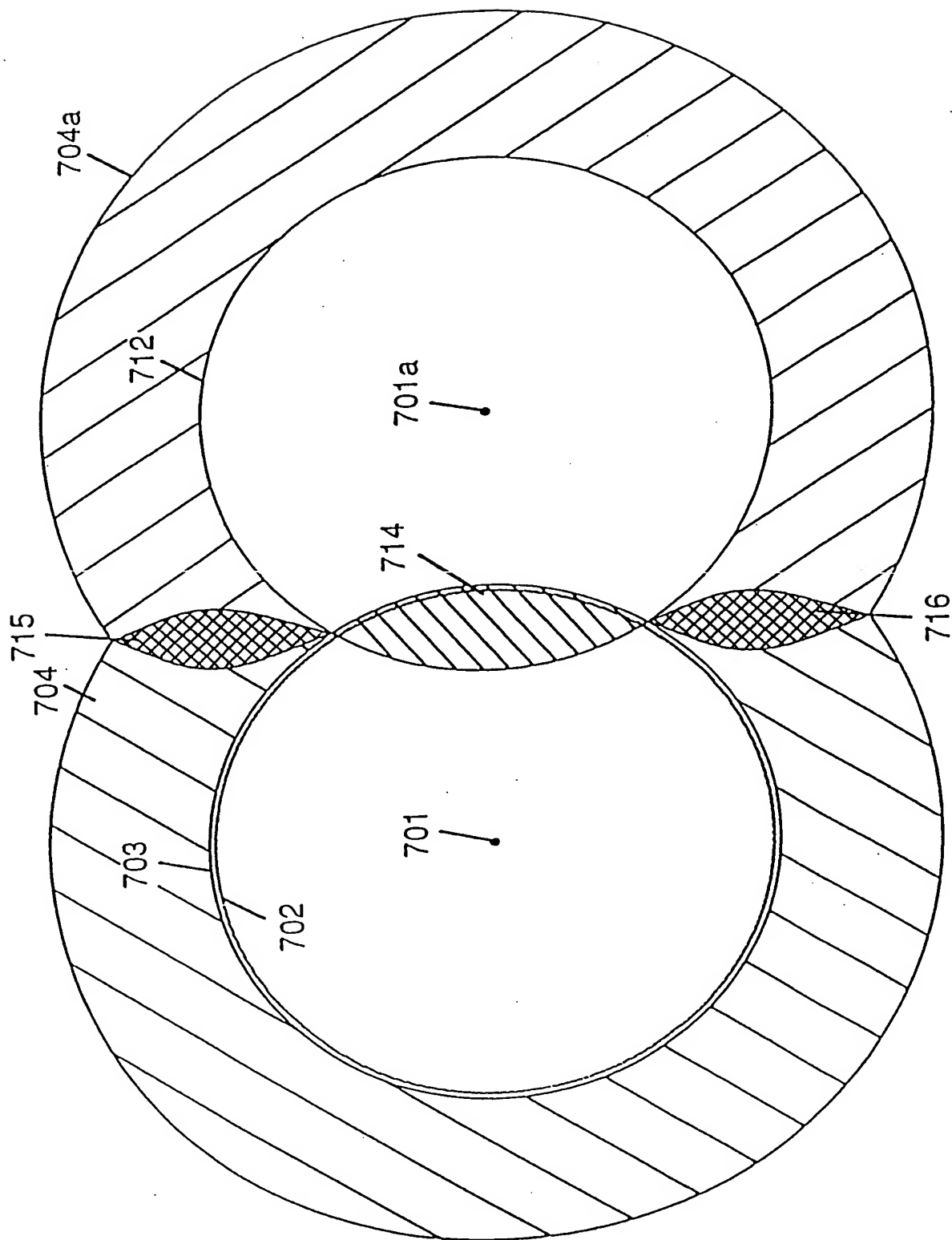




FIG. 57

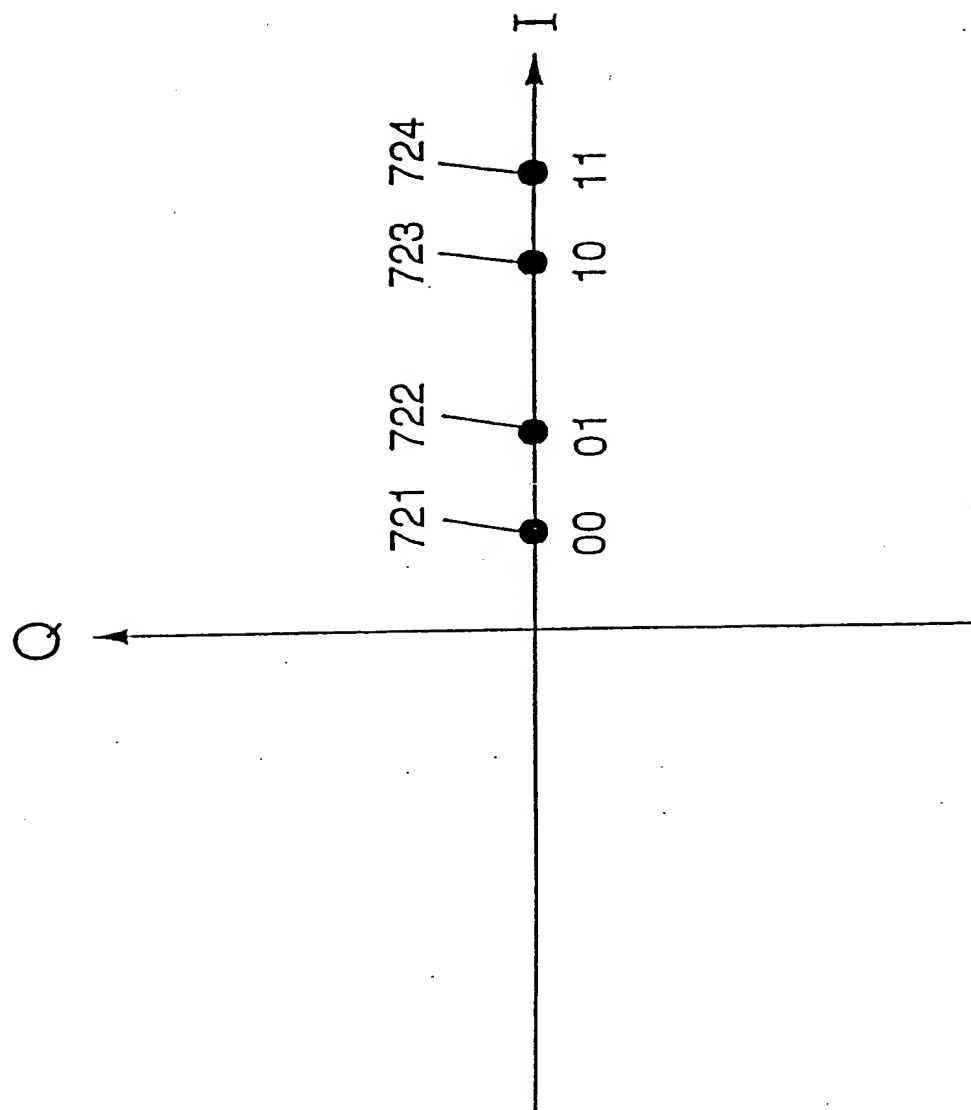


FIG. 58

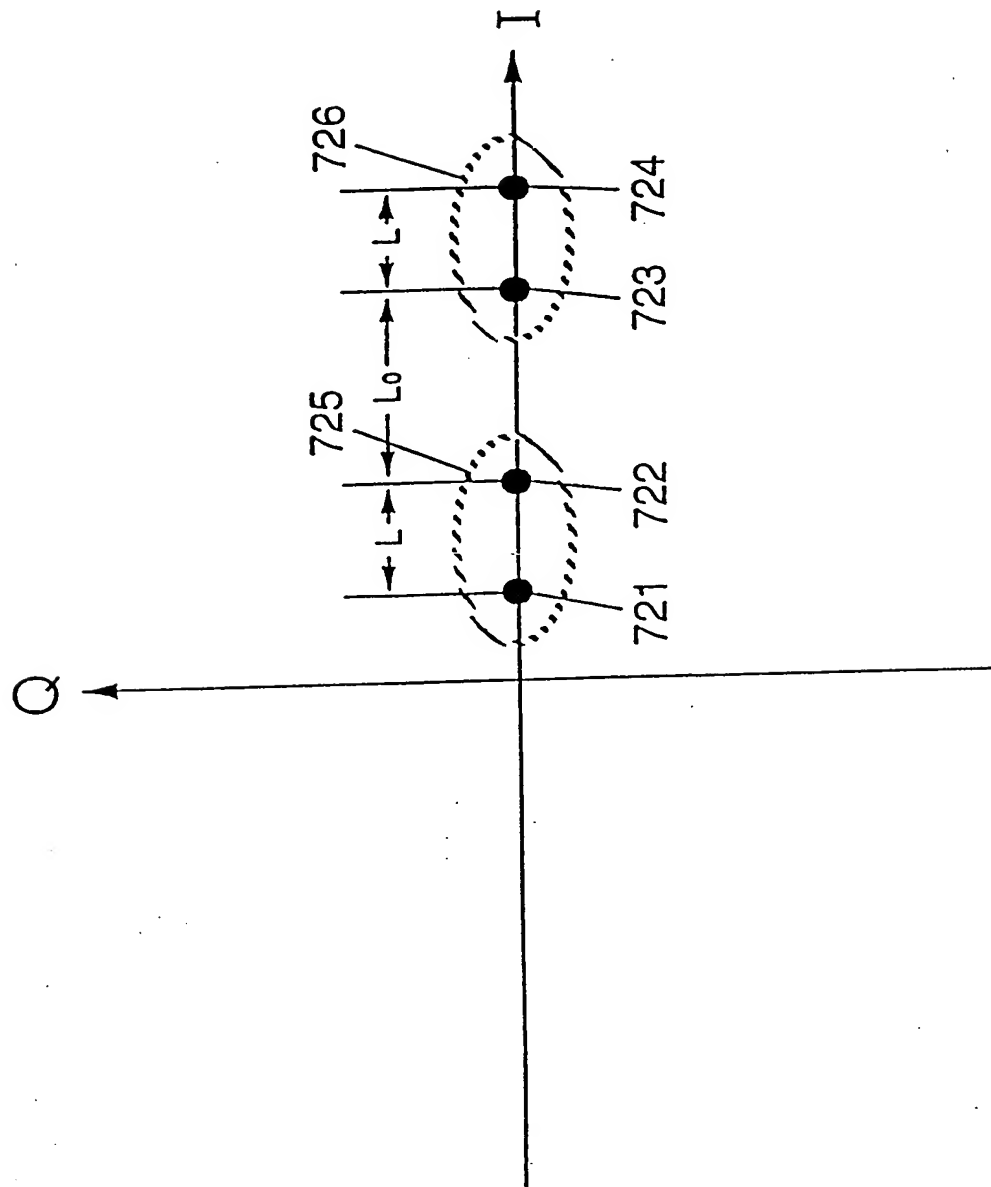


FIG. 59(a)

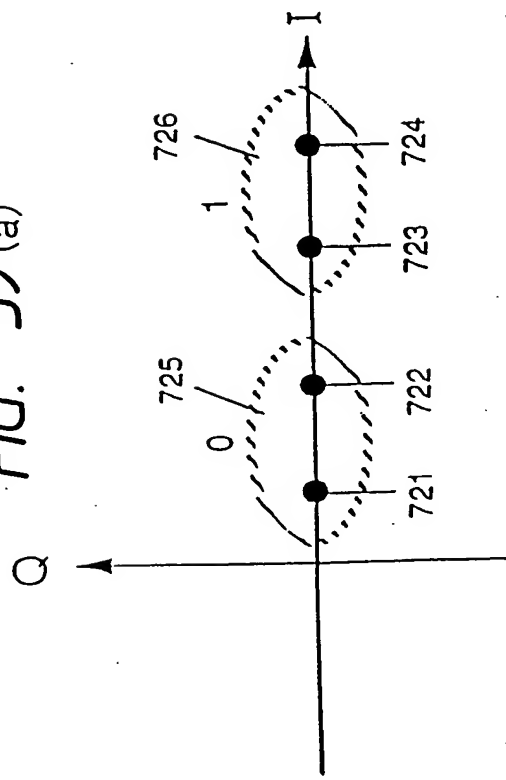


FIG. 59(b)

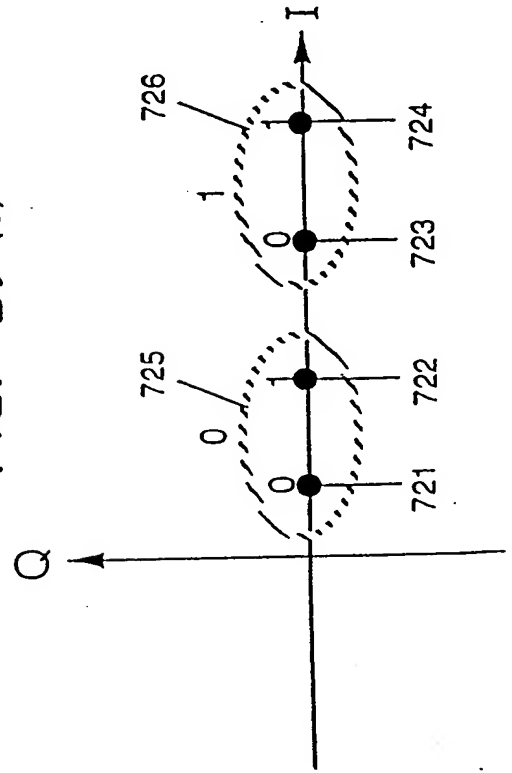


FIG. 59(c)

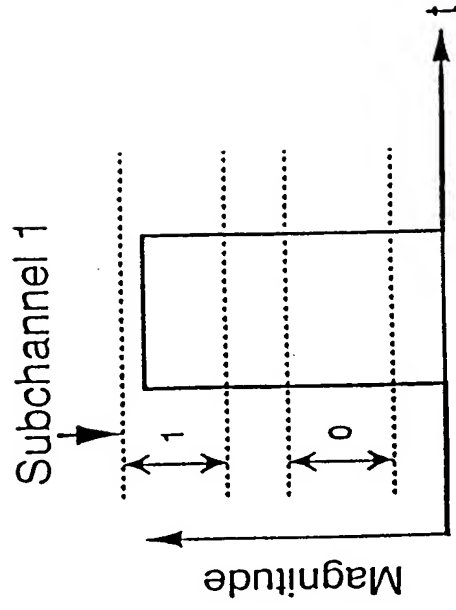


FIG. 59(d)

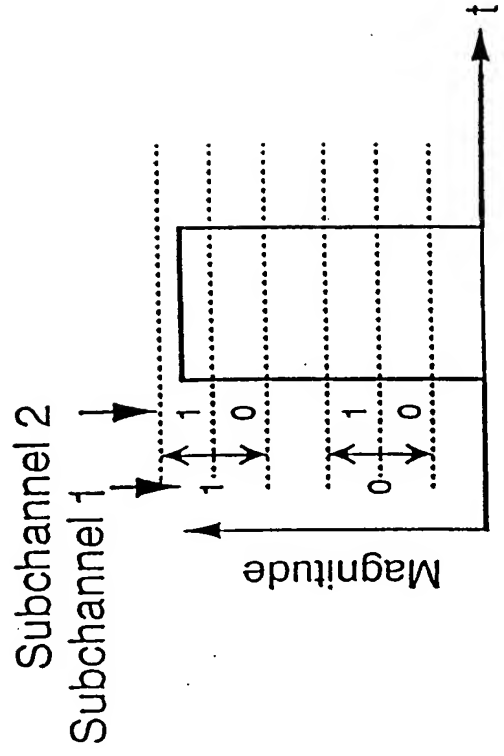


FIG. 60

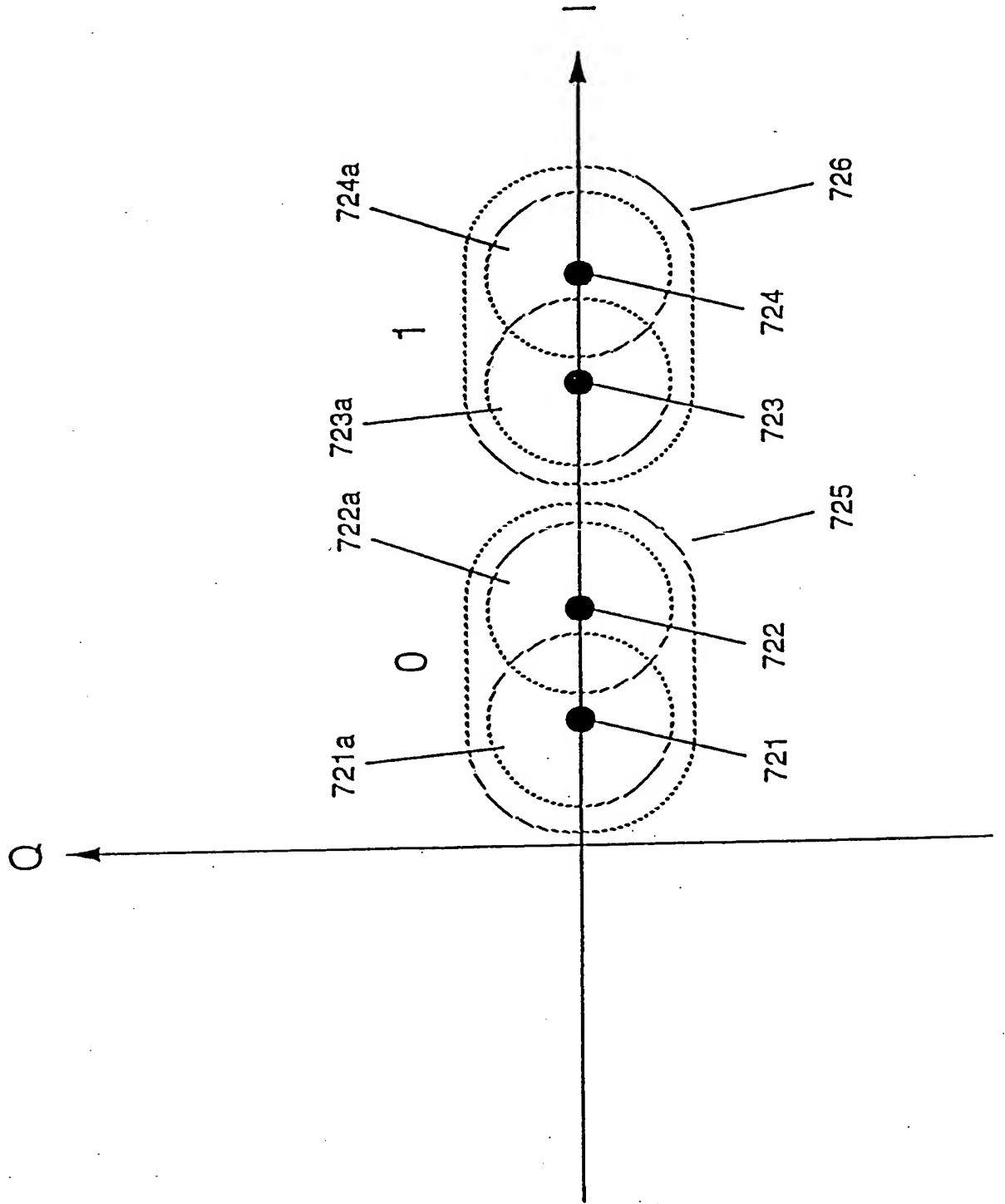


FIG. 61

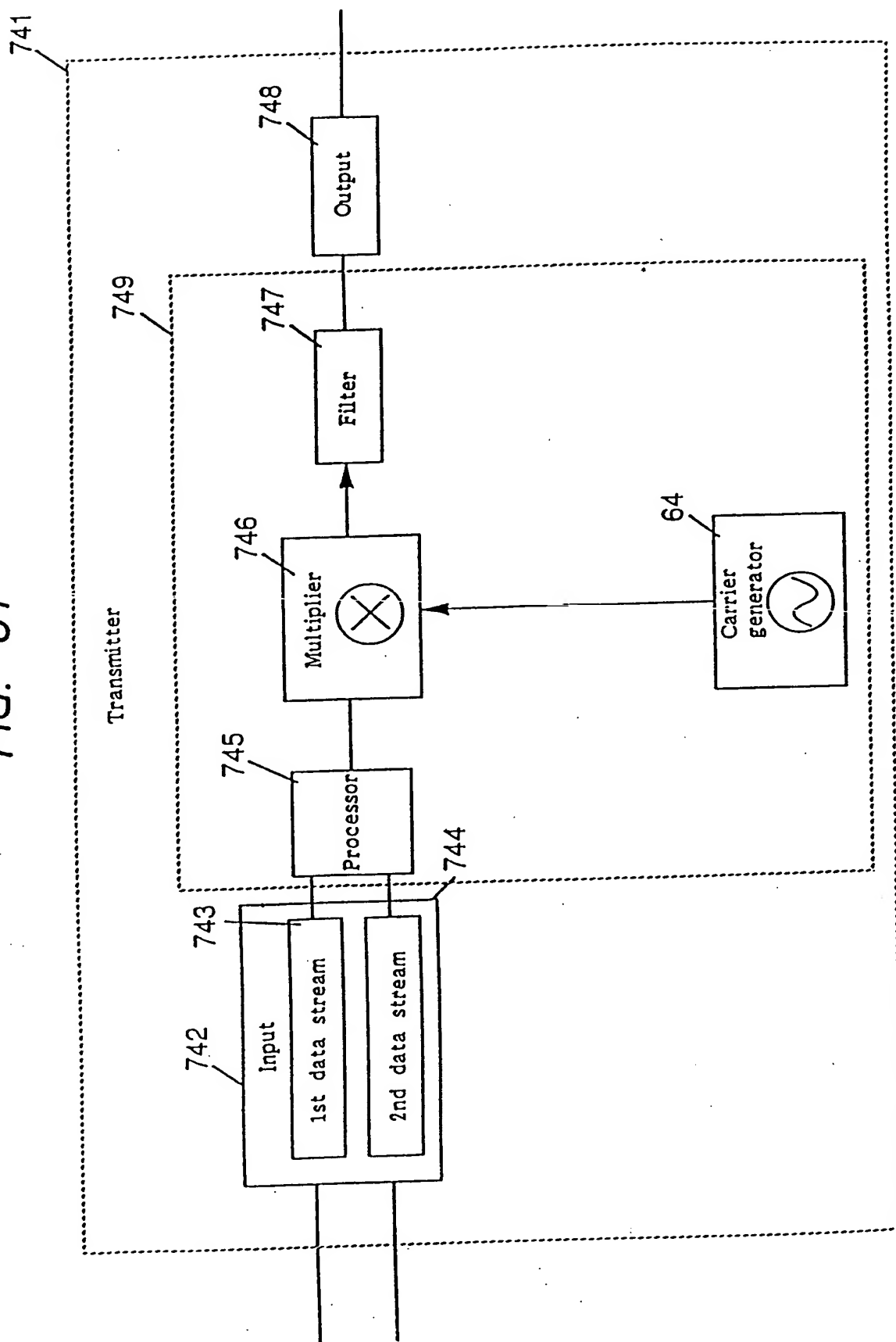


FIG. 62

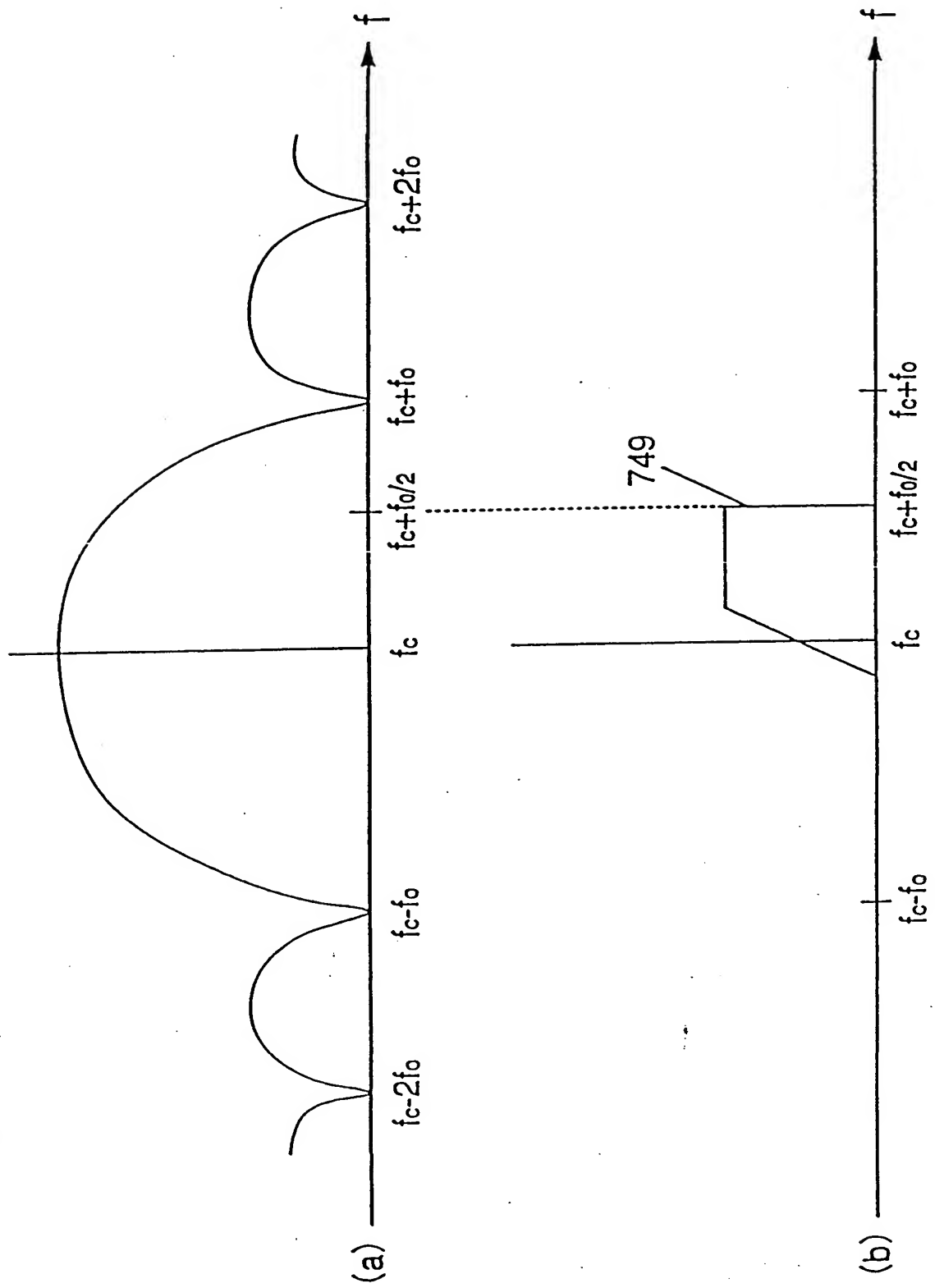


FIG. 63

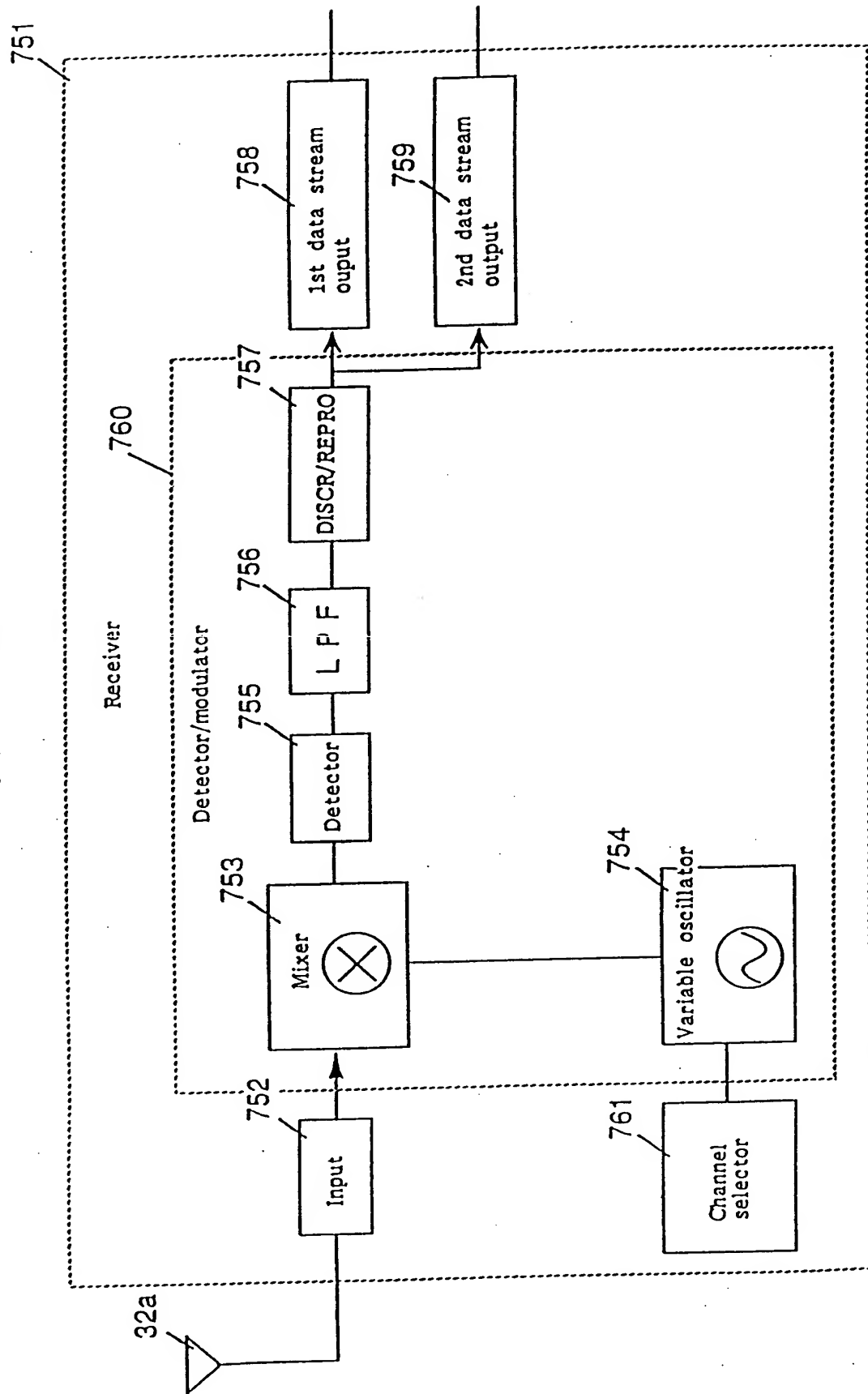


FIG. 64

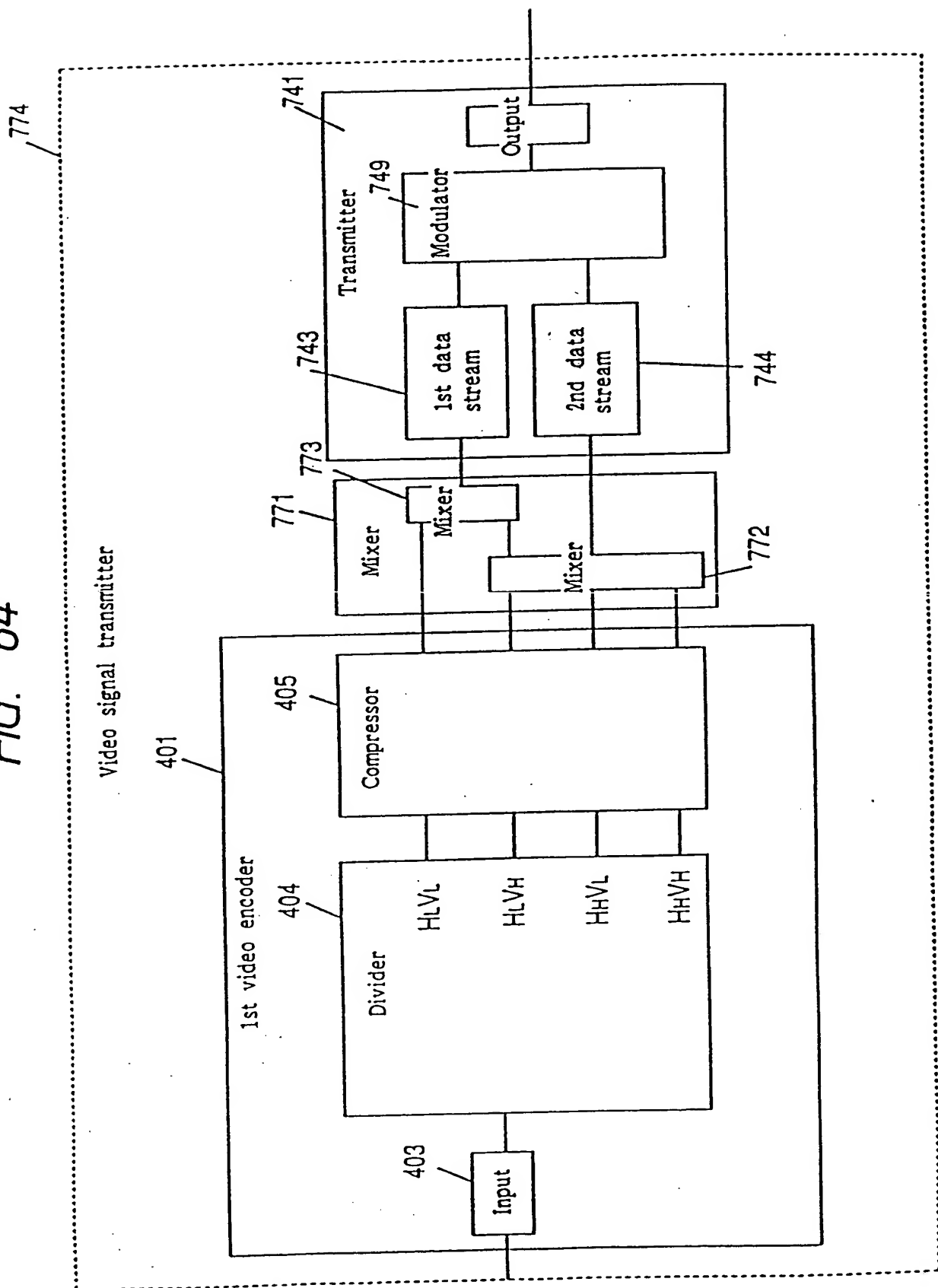




FIG. 65

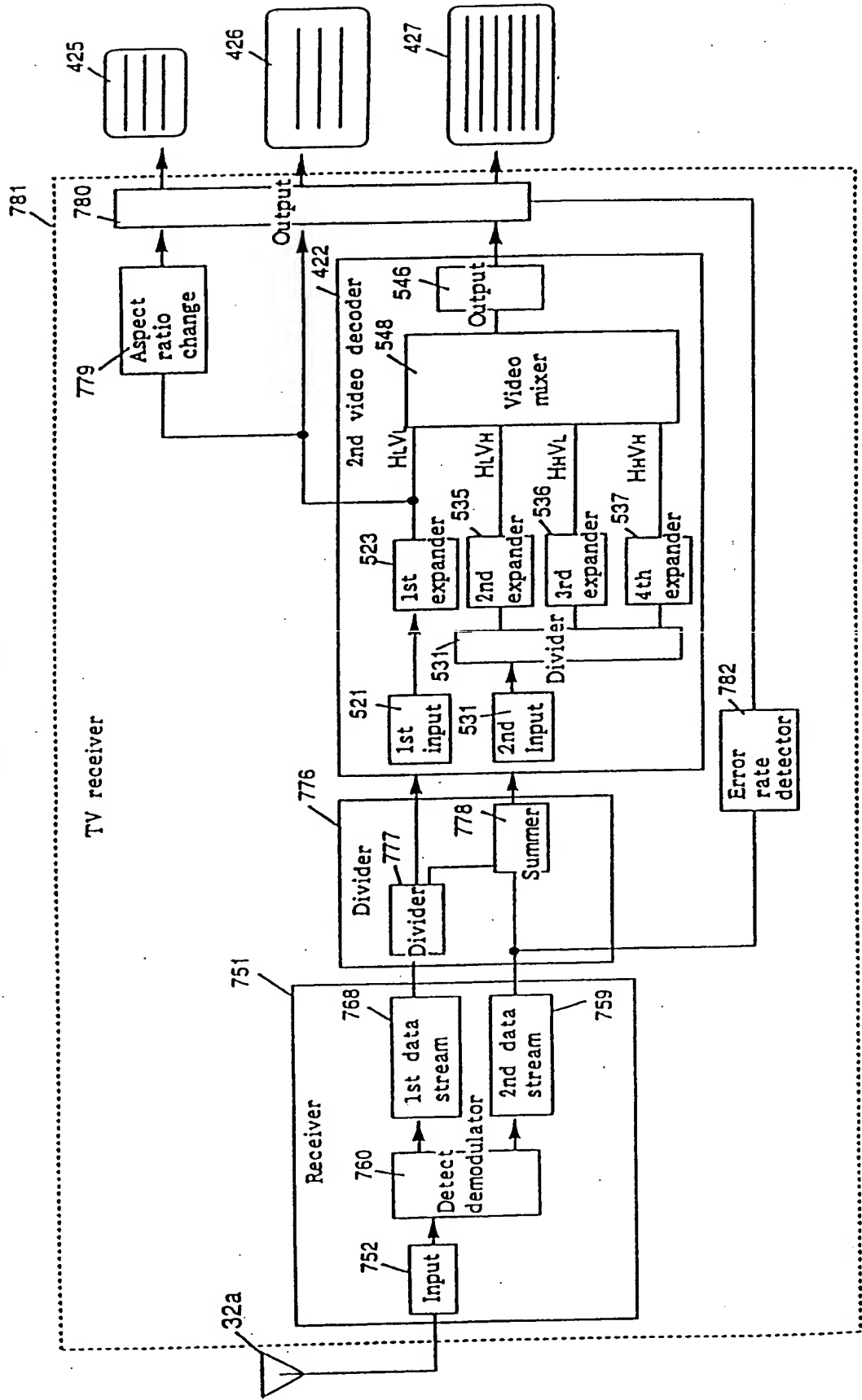


FIG. 66

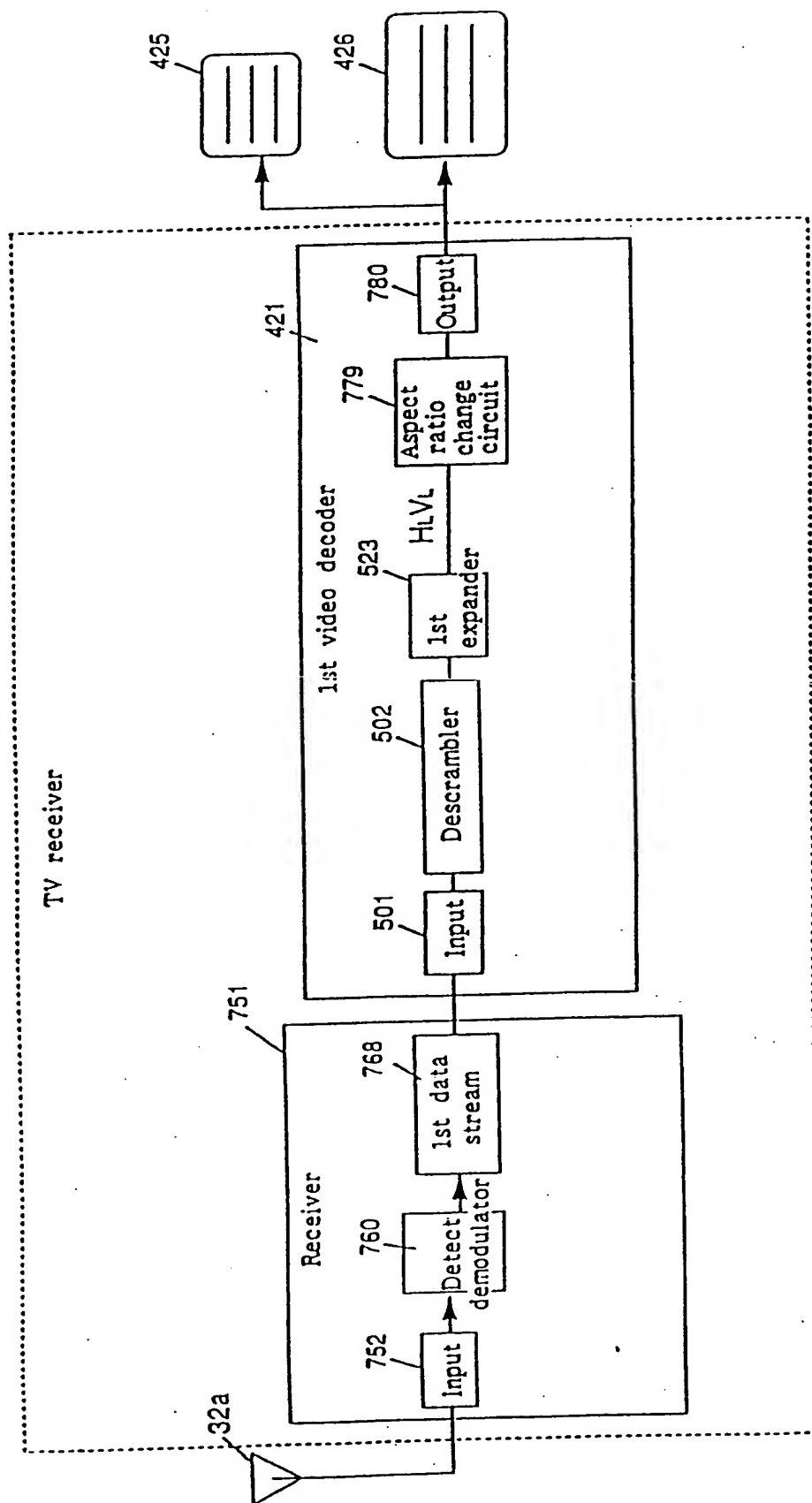


FIG. 67

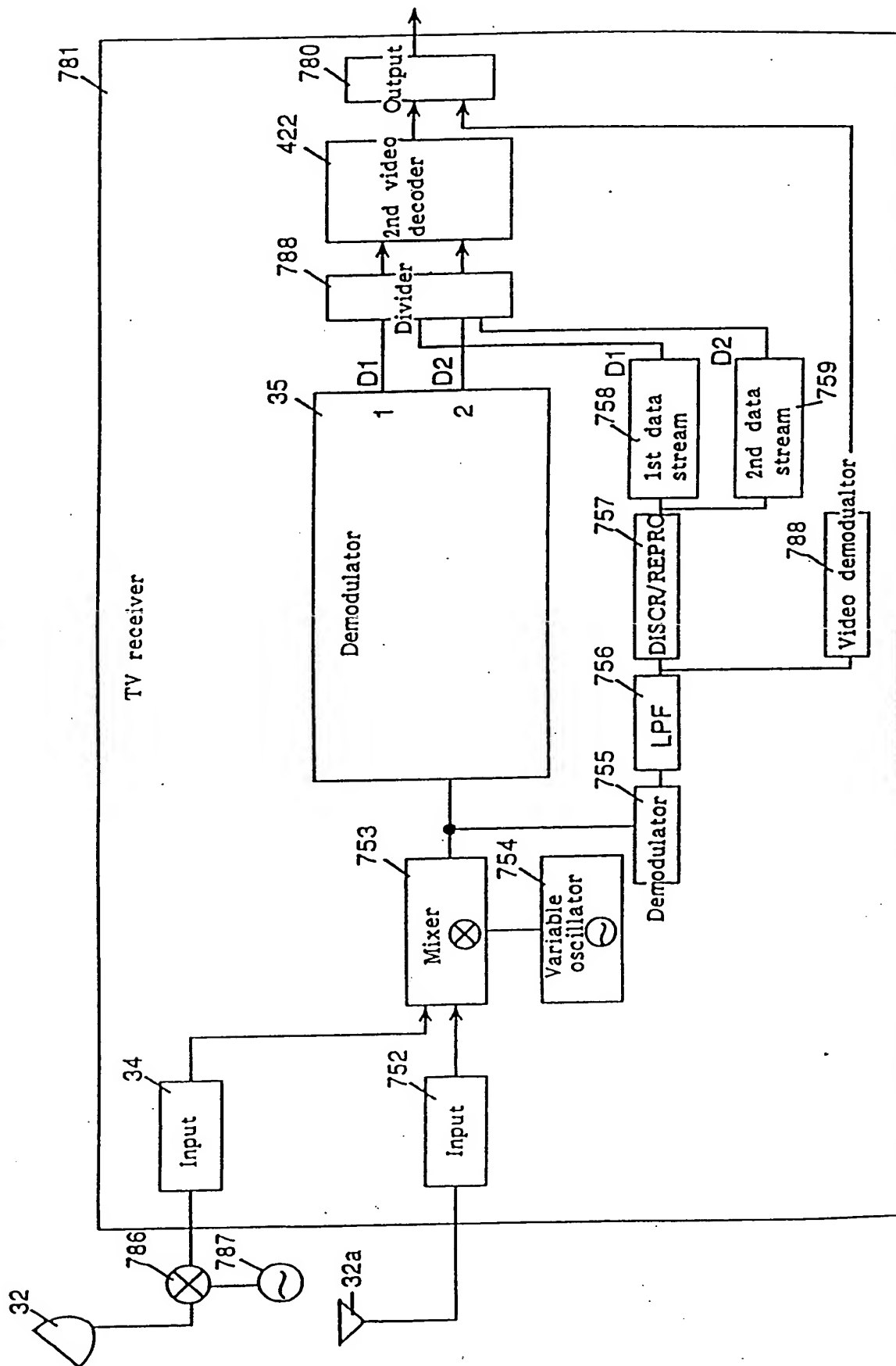


FIG. 60

721a 721b 722a 722b 723a 723b 724a 724b

721 722 723 724

725

726

Q

I

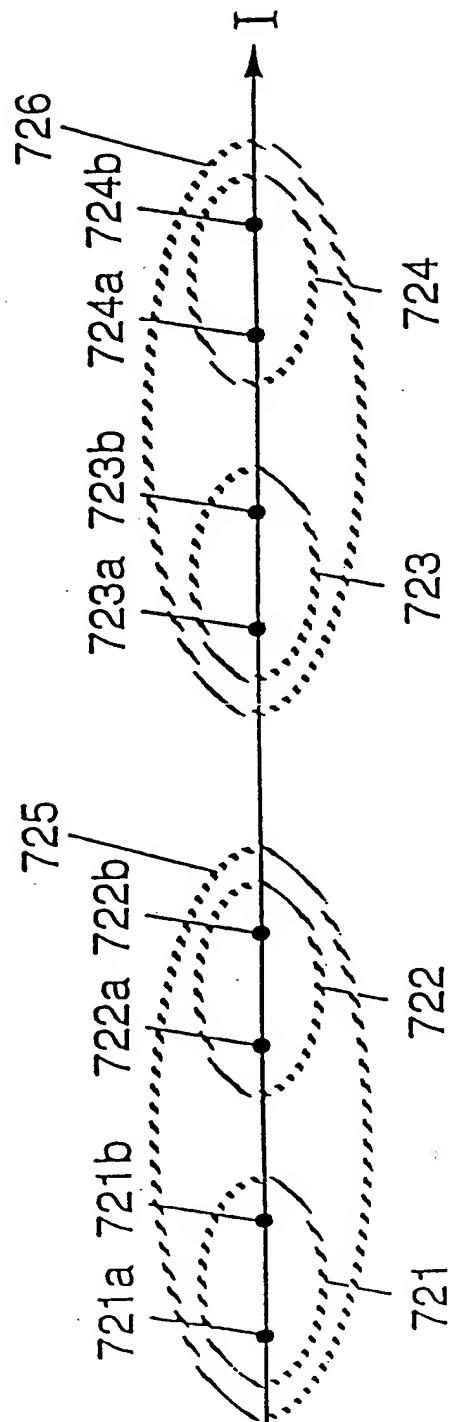


FIG. 69

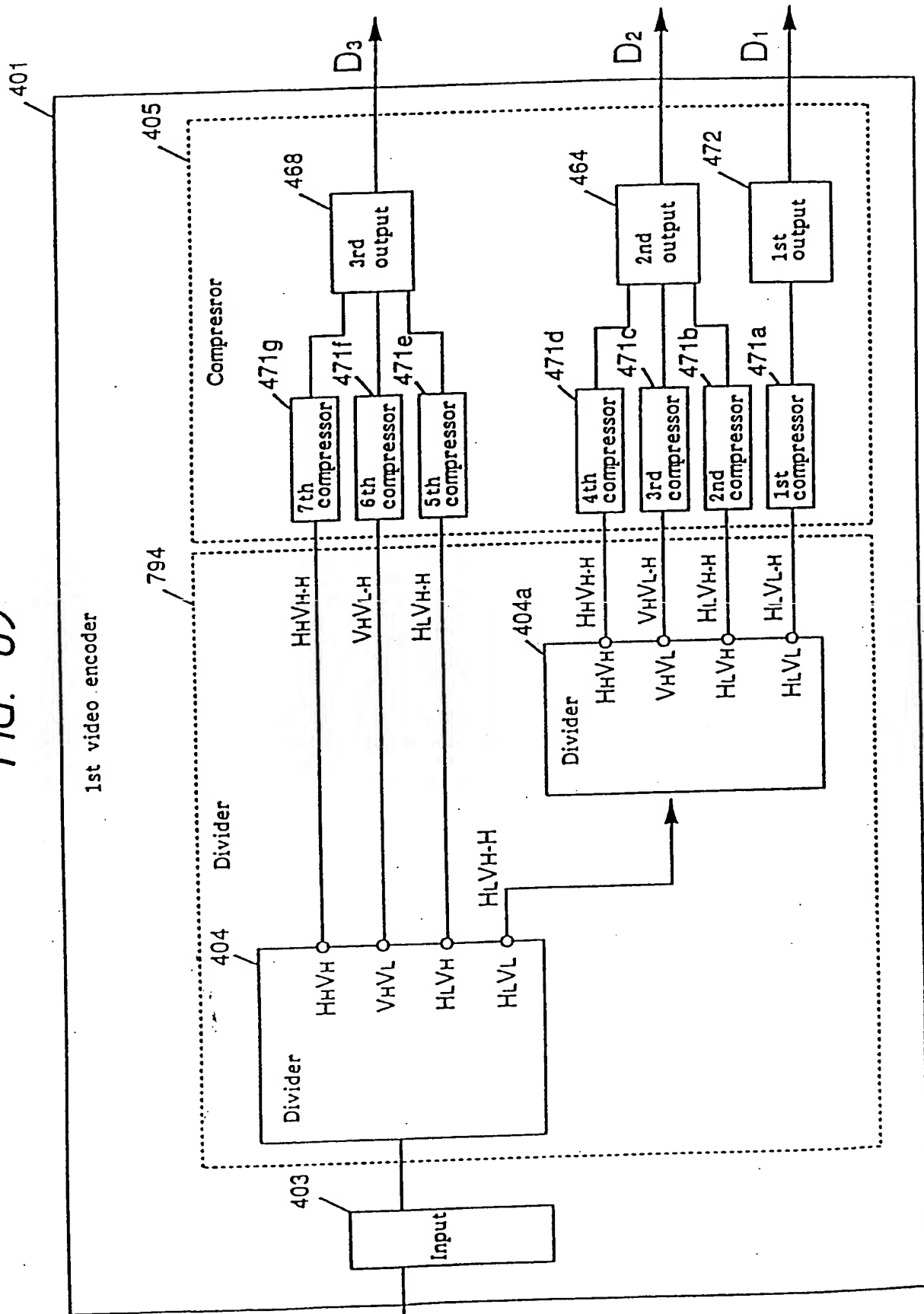


FIG. 70

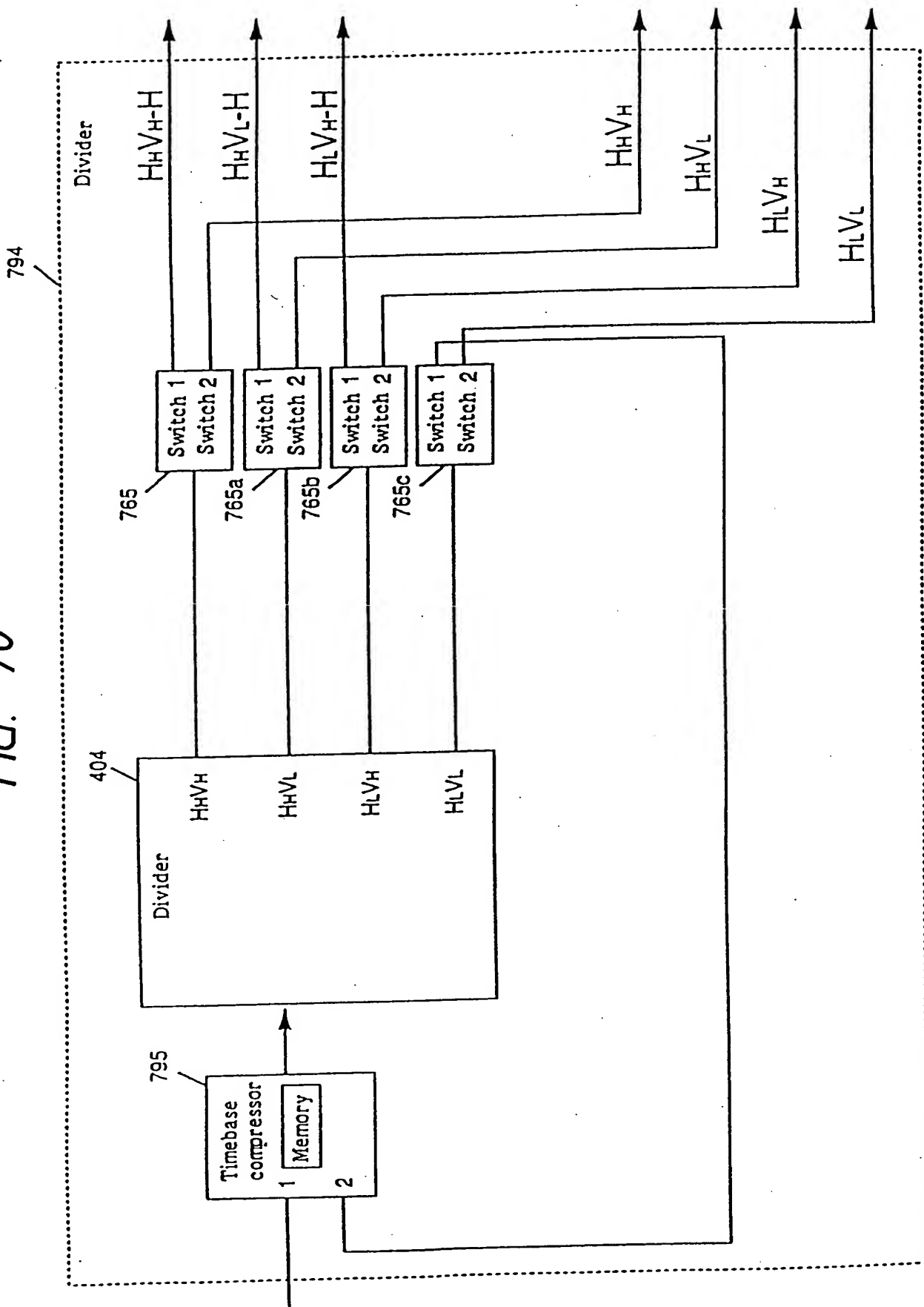


FIG. 71

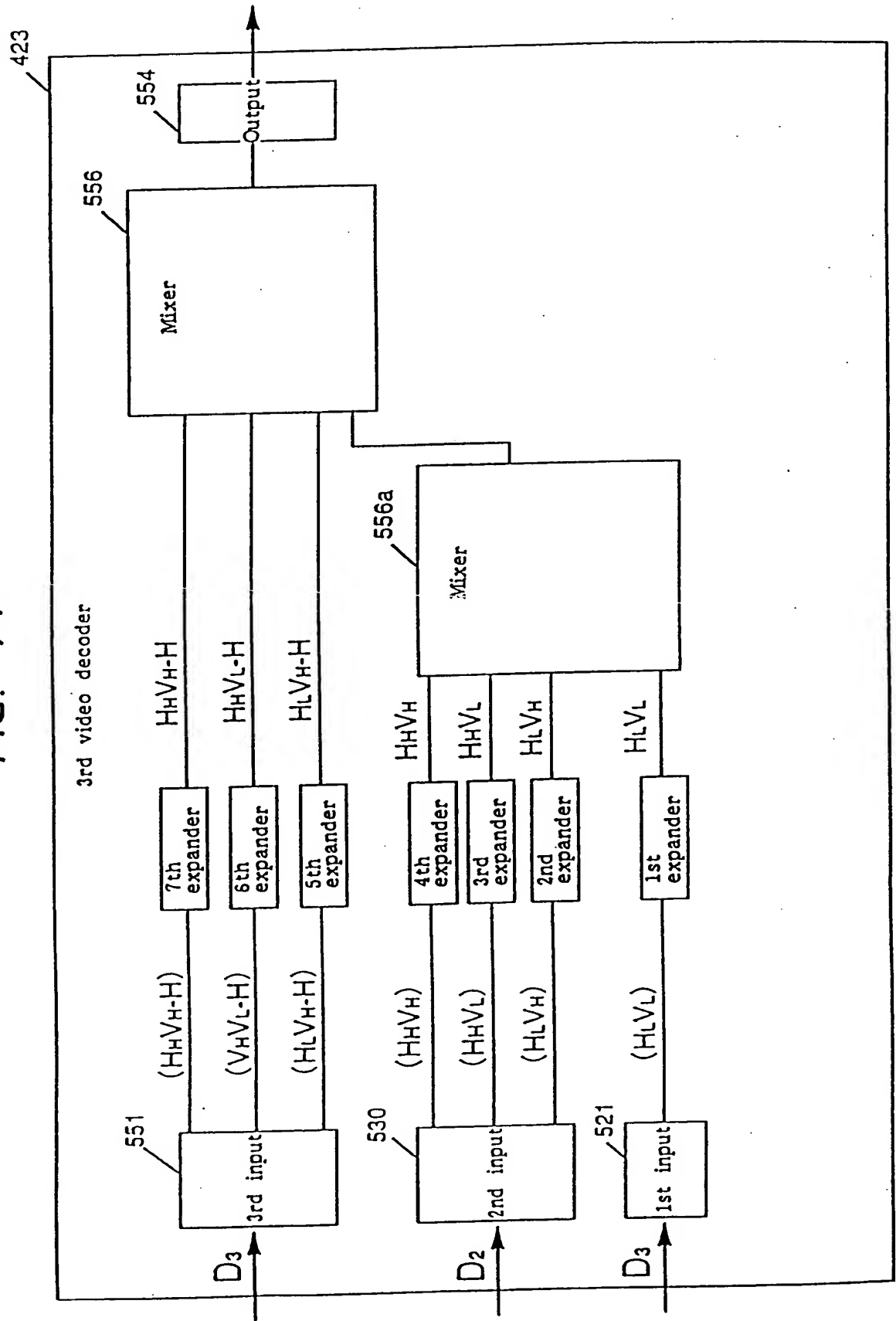


FIG. 72

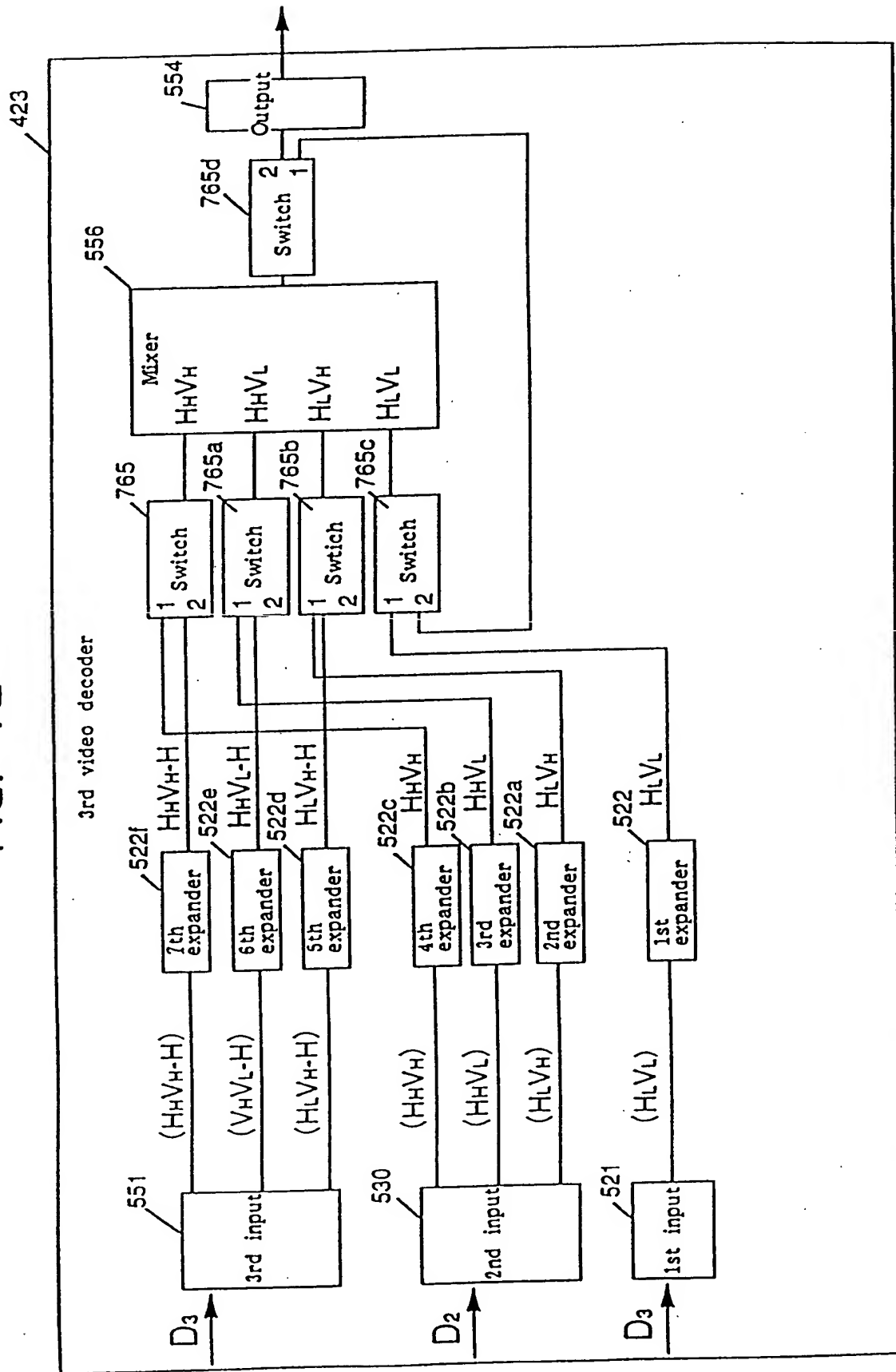




FIG. 73

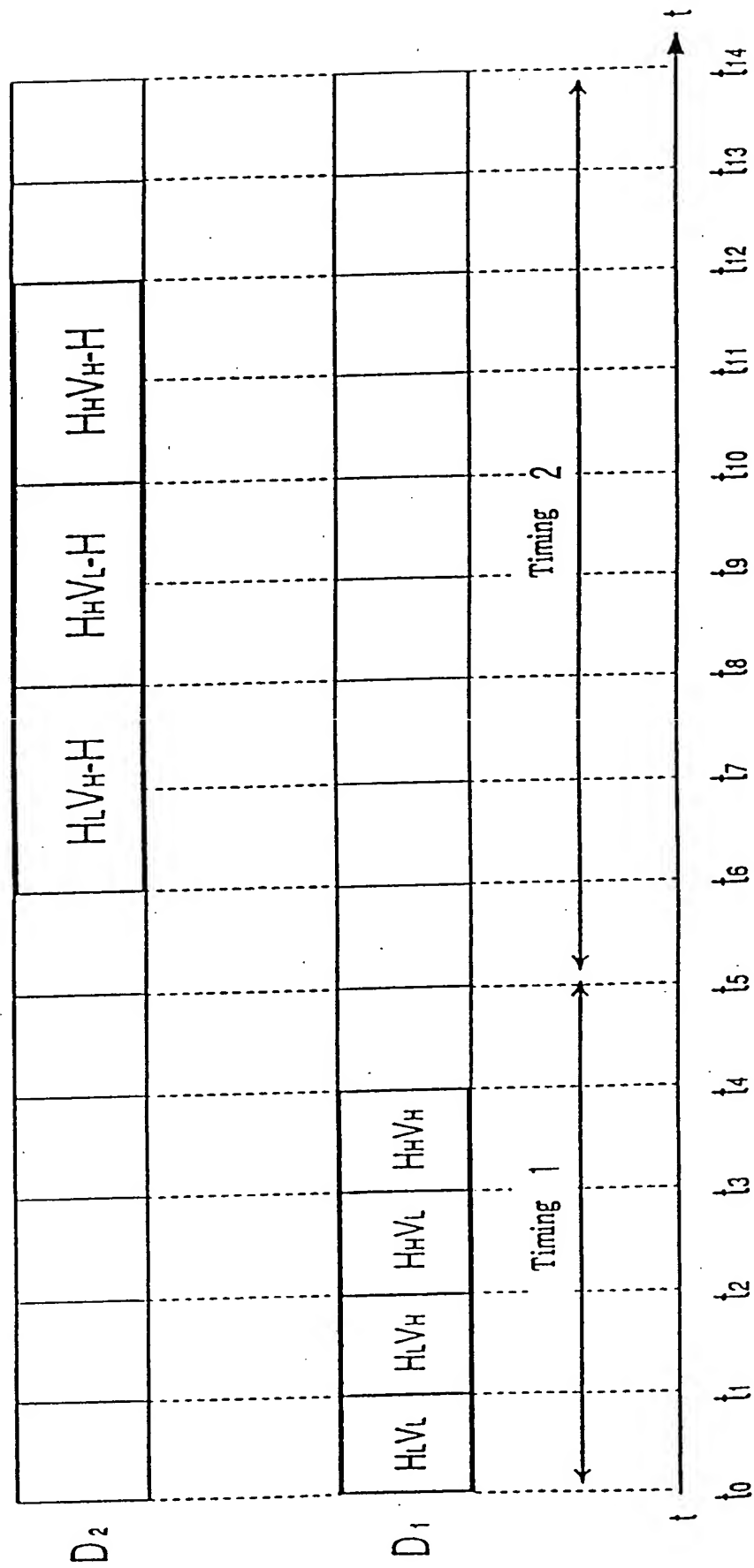


FIG. 74

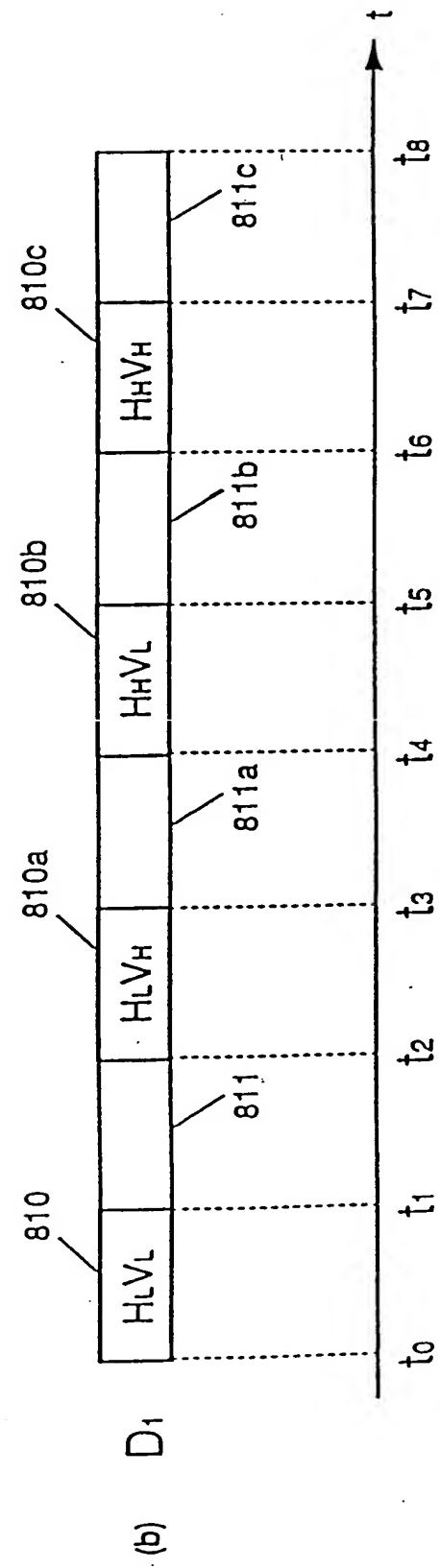
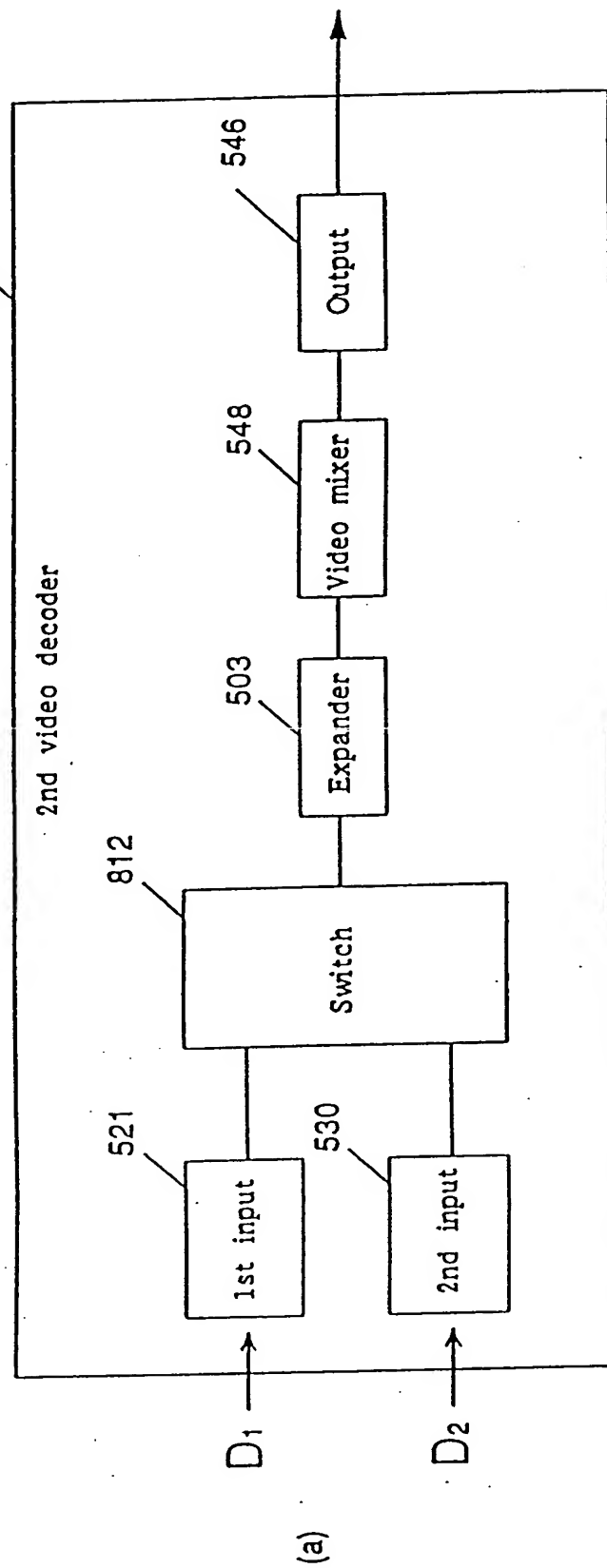


FIG. 75

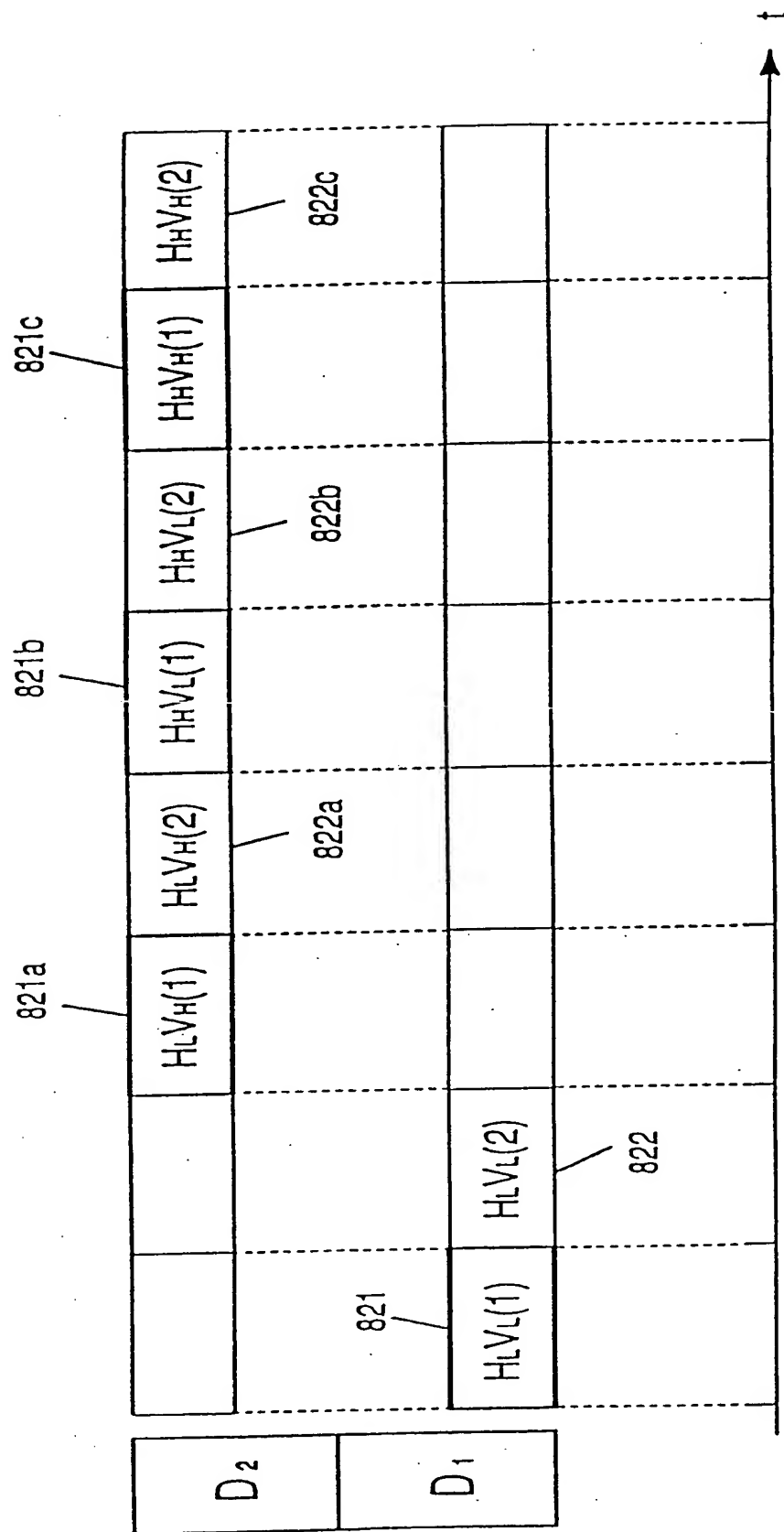


FIG. 76

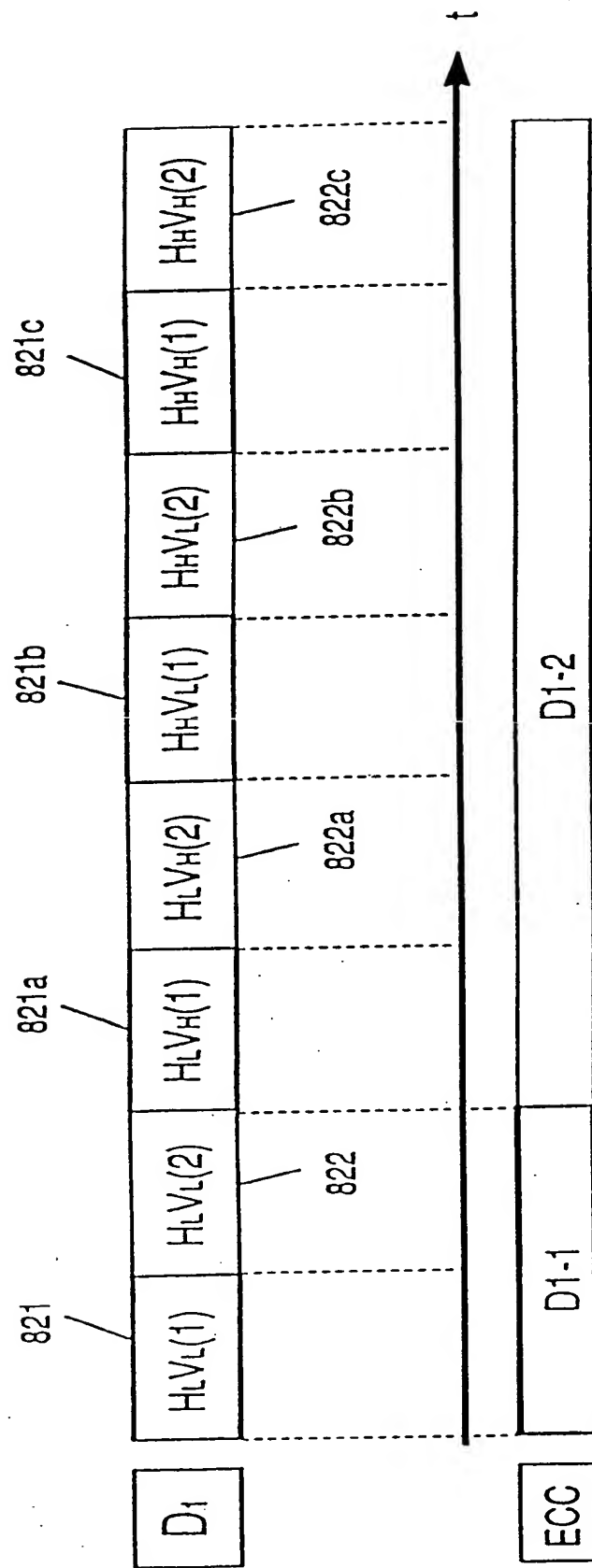


FIG. 77

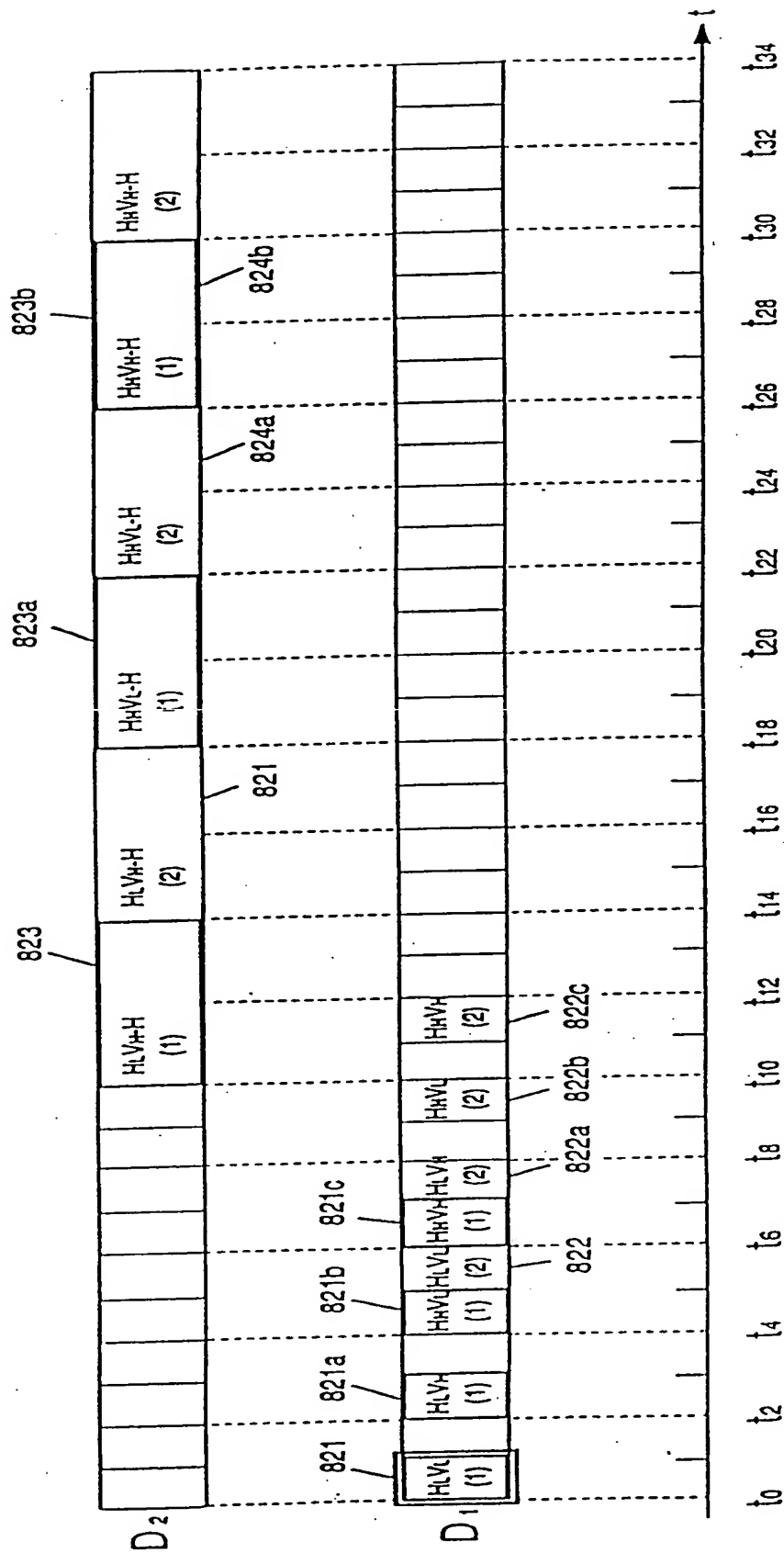


FIG. 78

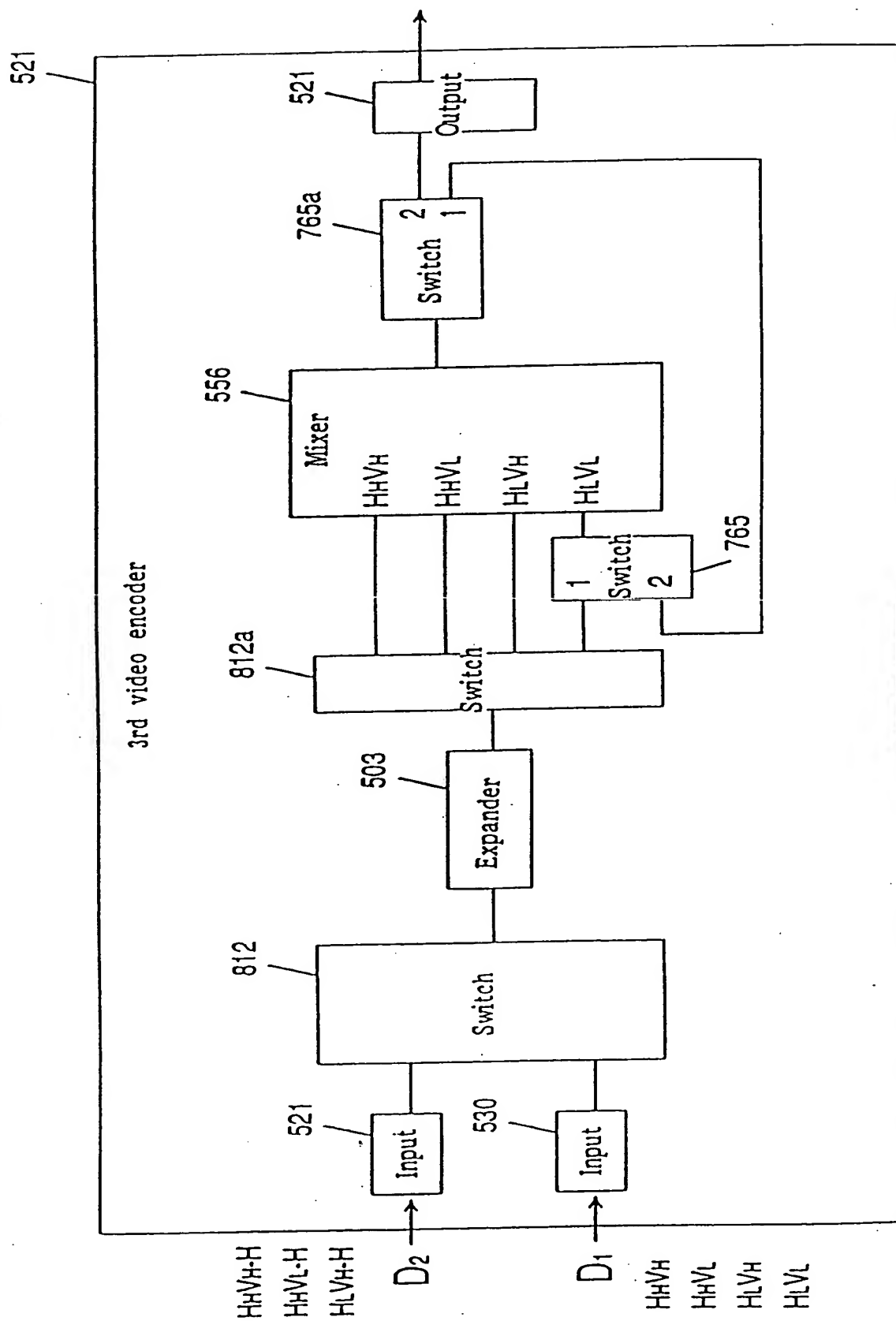


FIG. 79

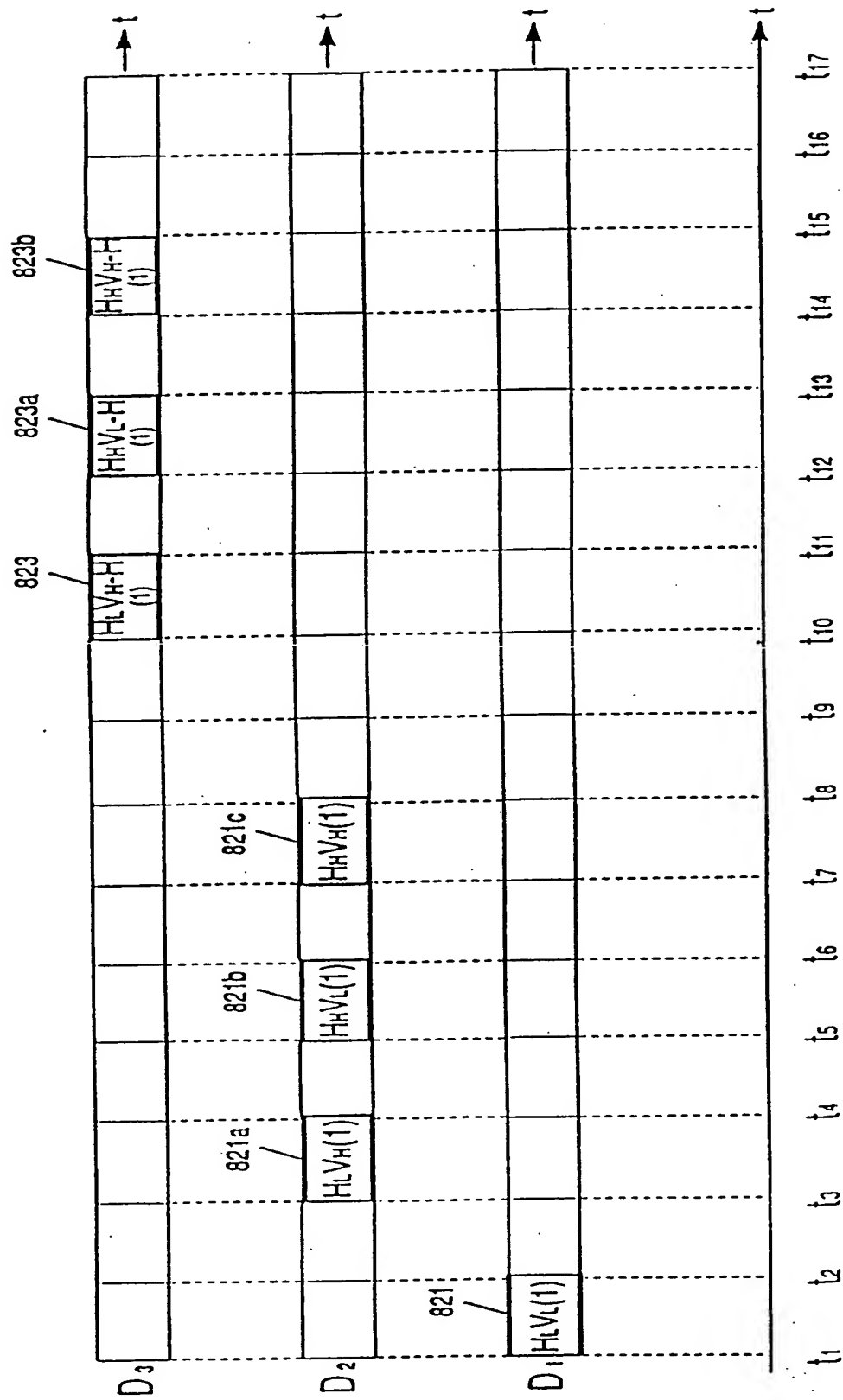


FIG. 80

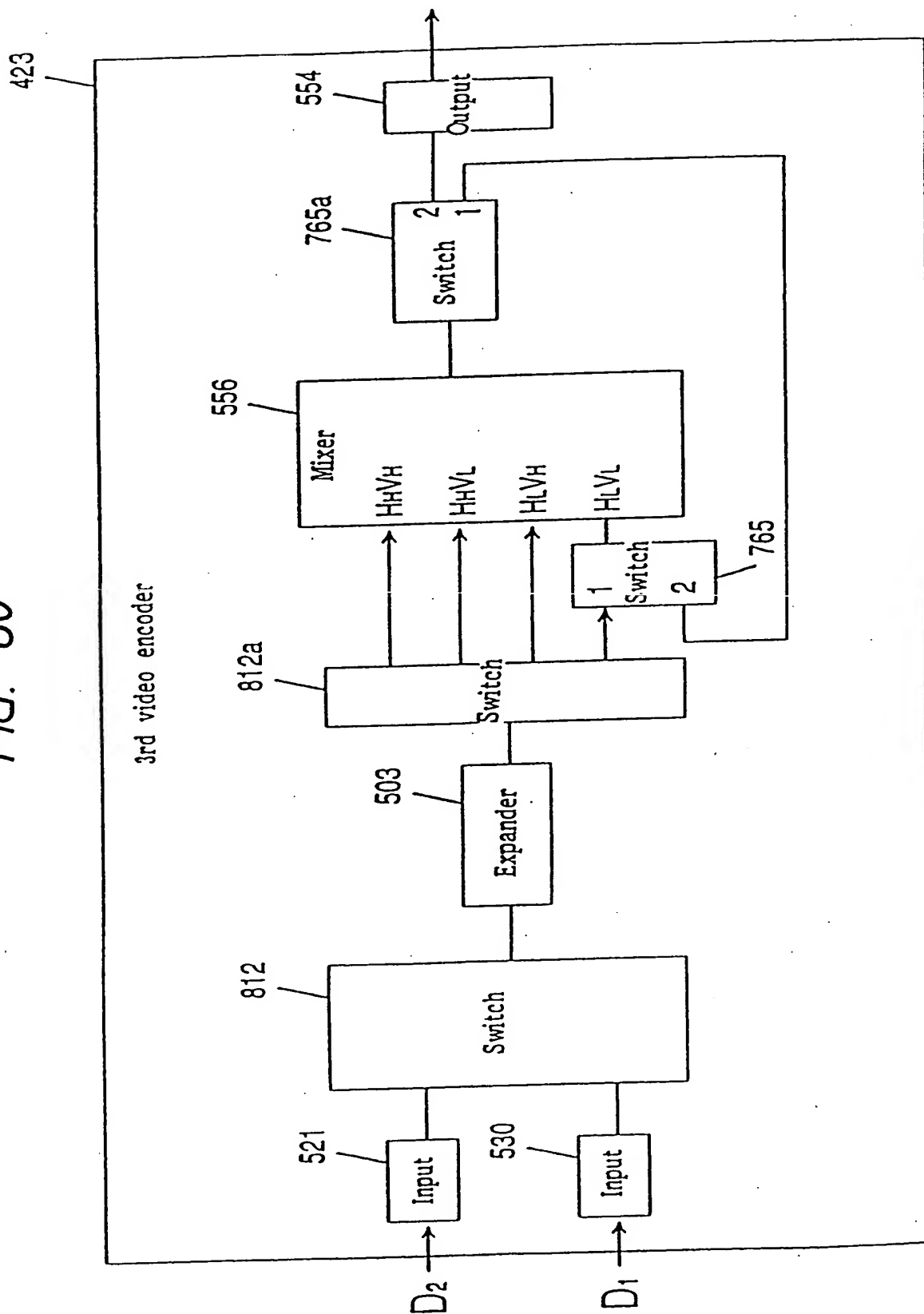




FIG. 81

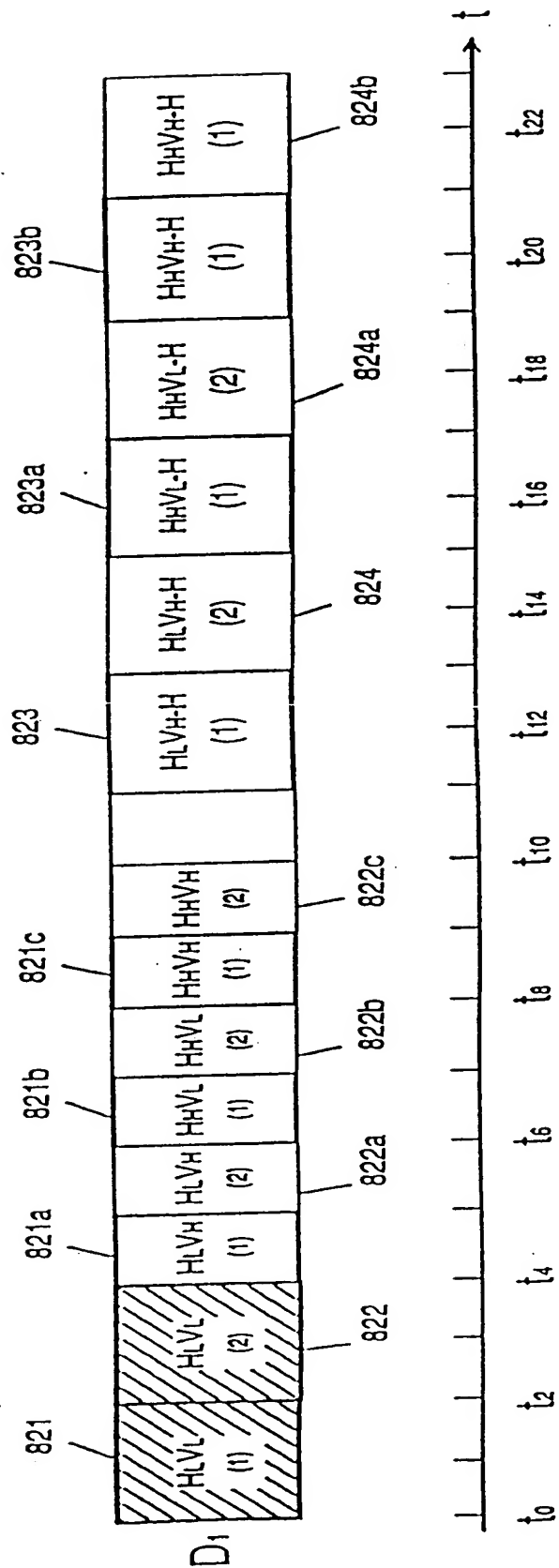


FIG. 82

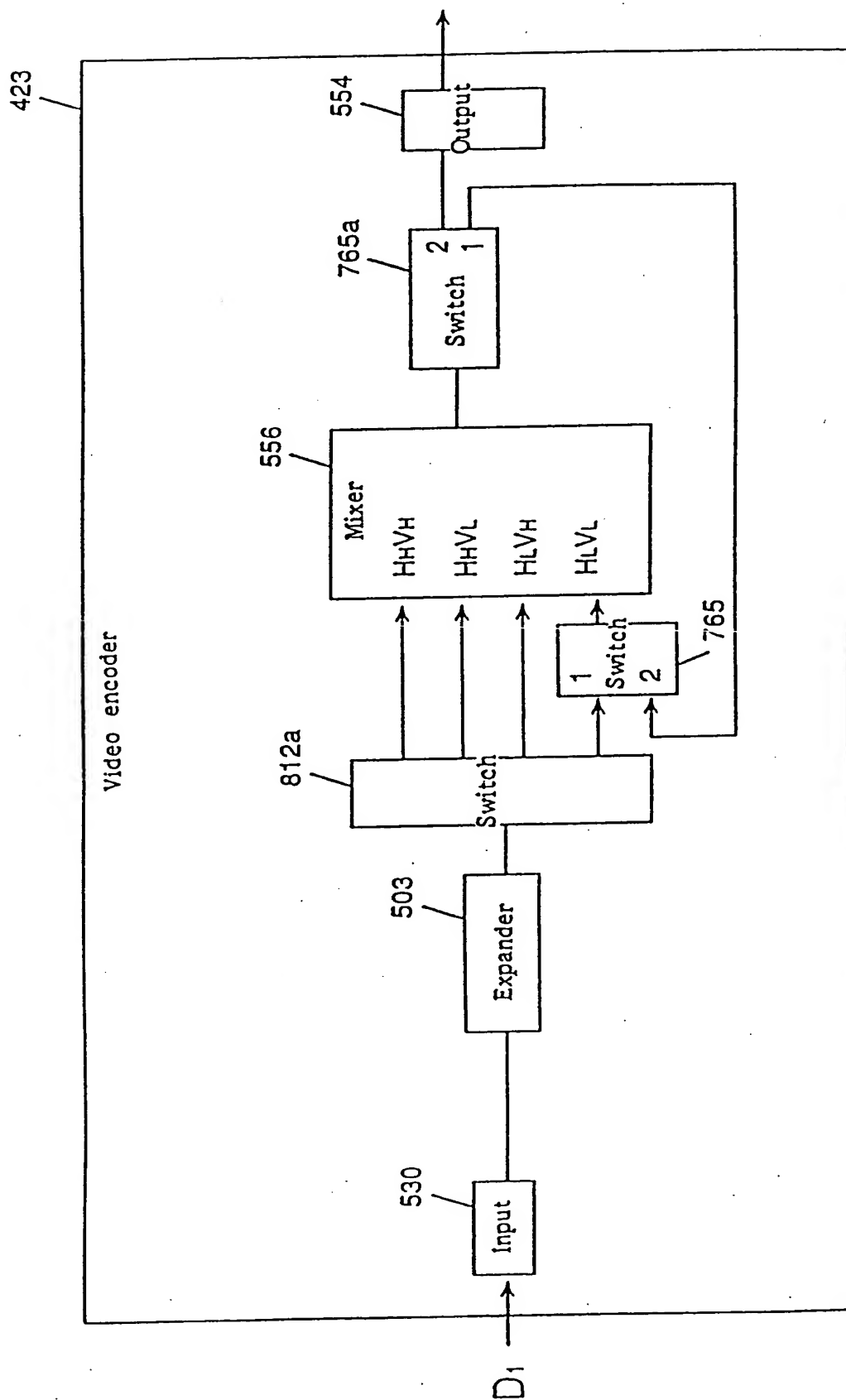


FIG. 83

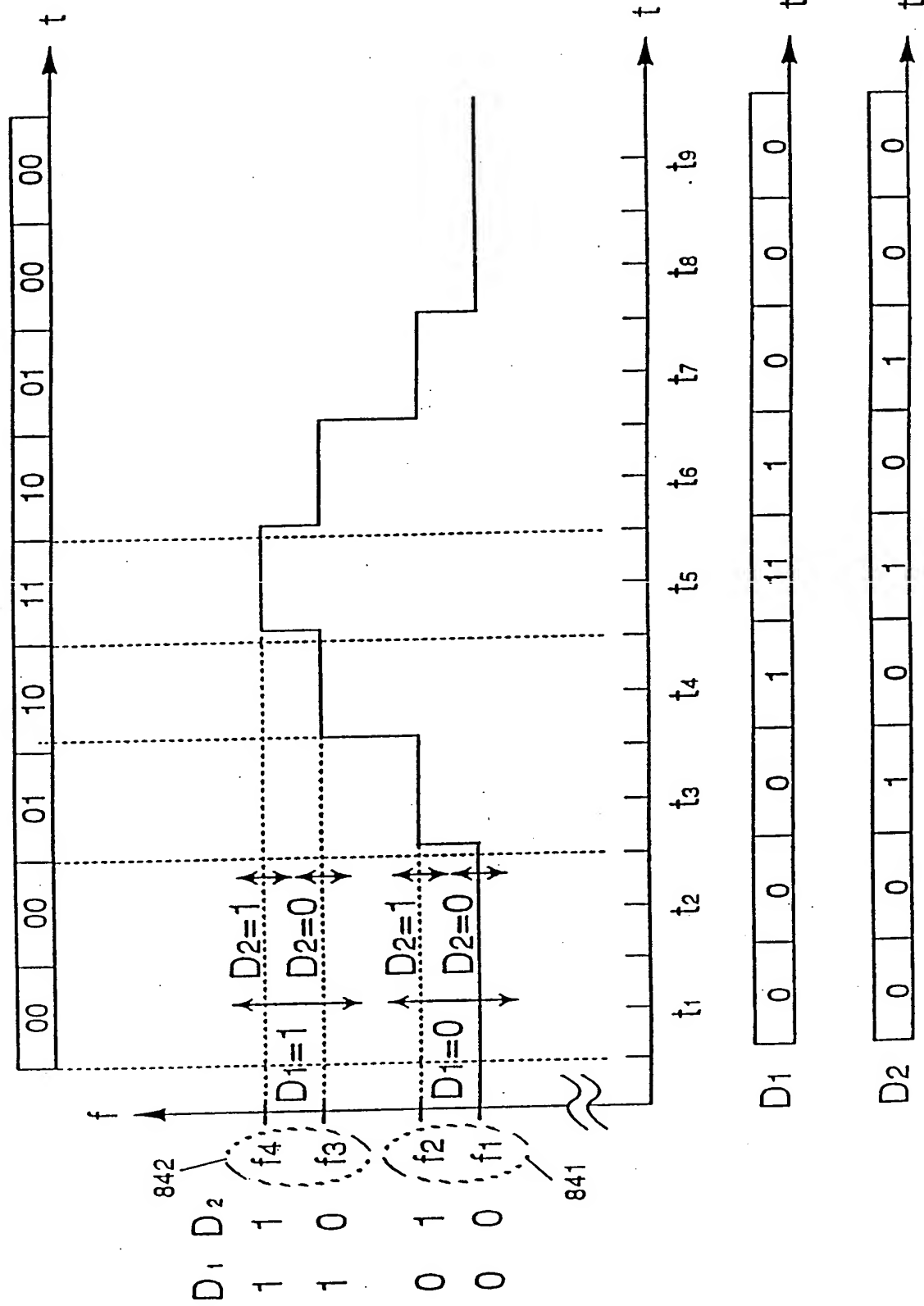


FIG. 84

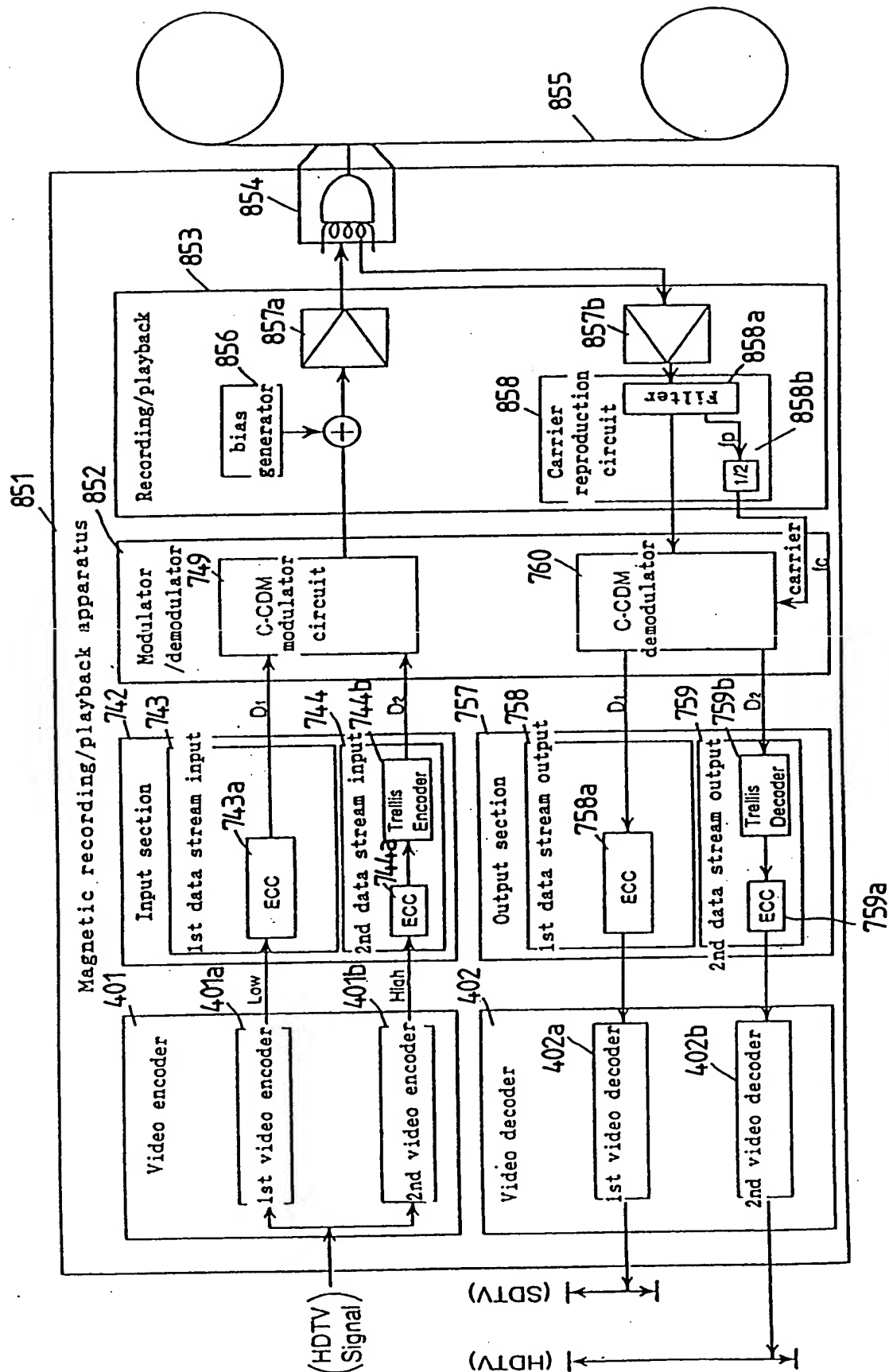


FIG. 85

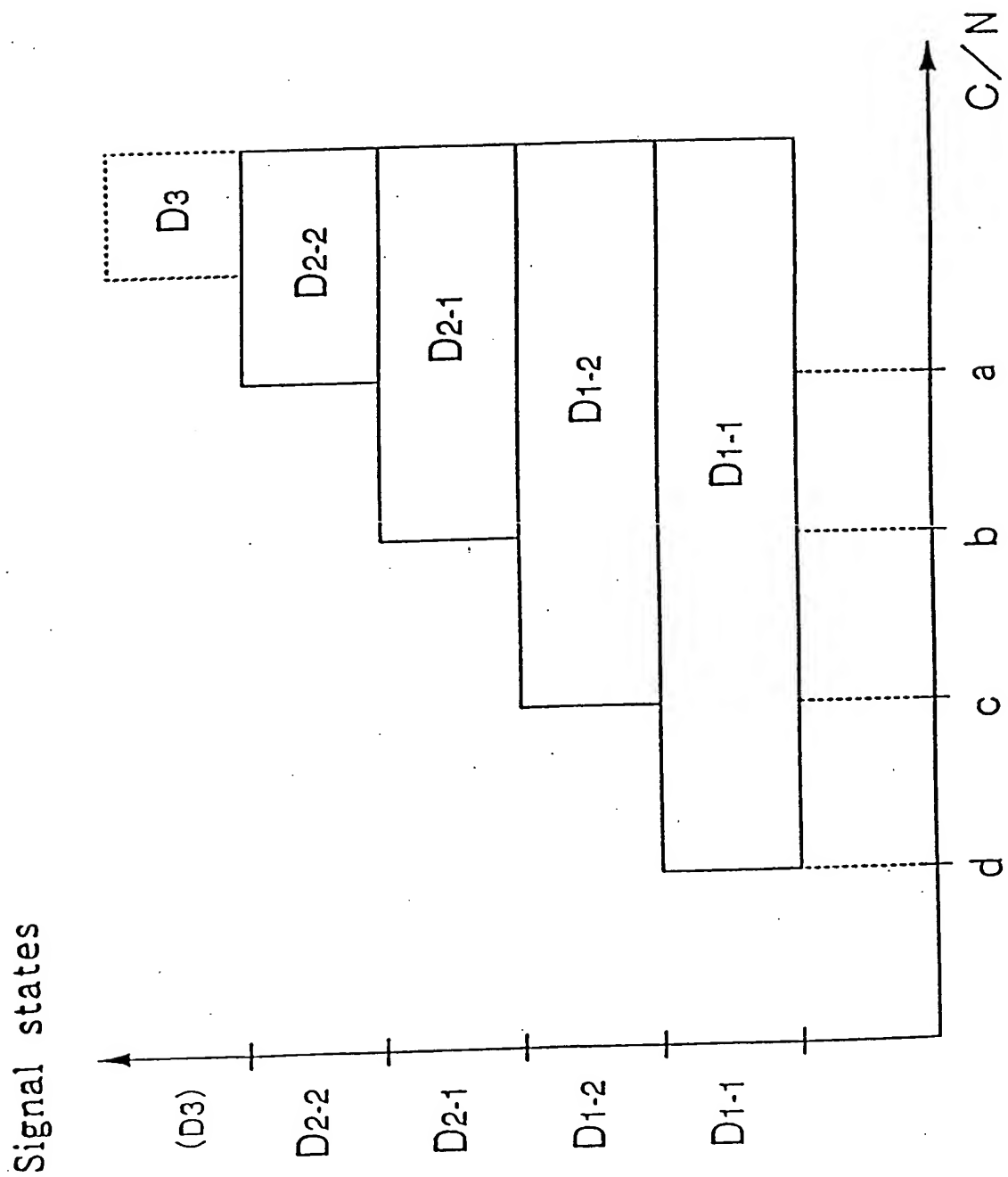


FIG. 86

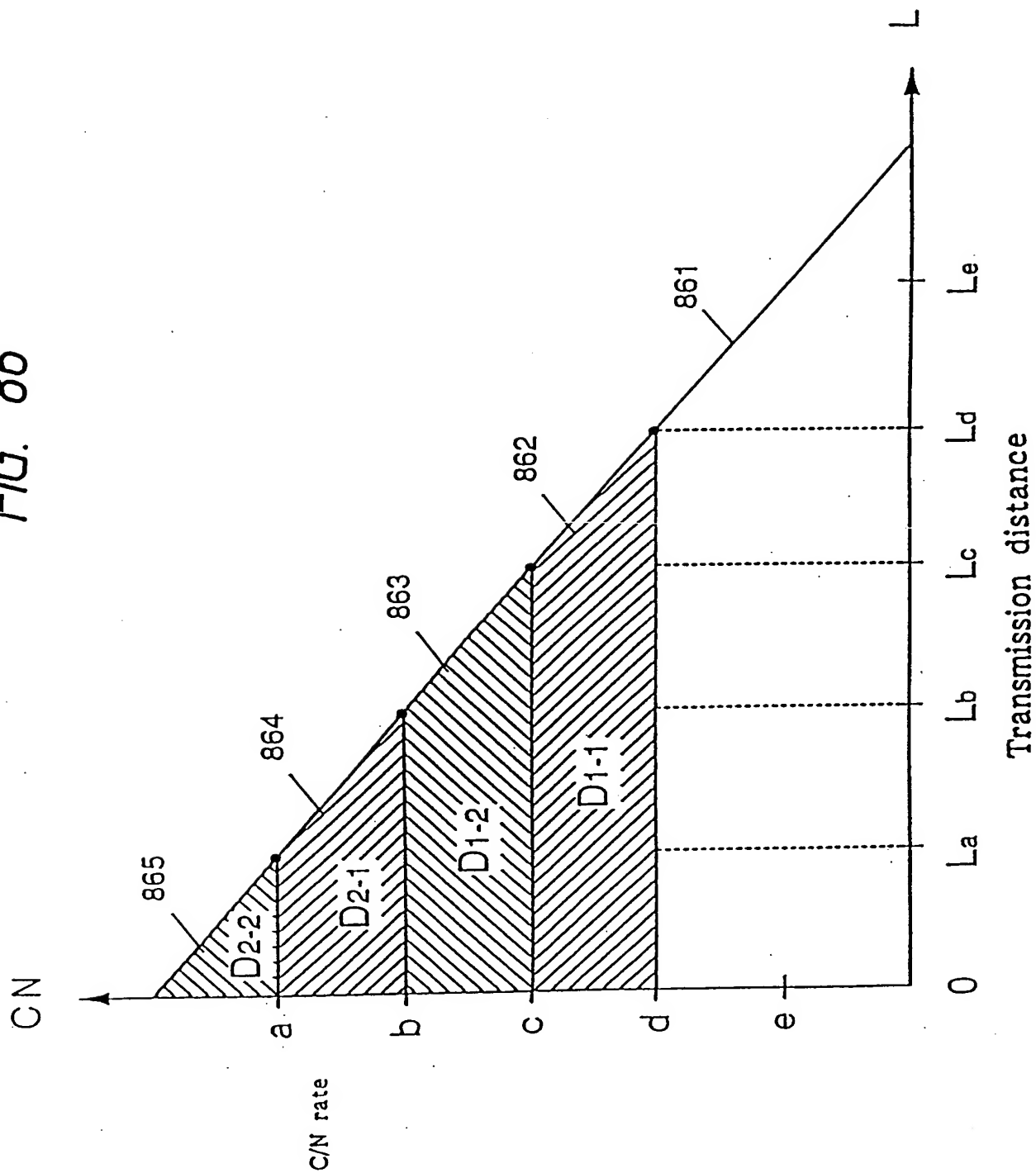


FIG. 87

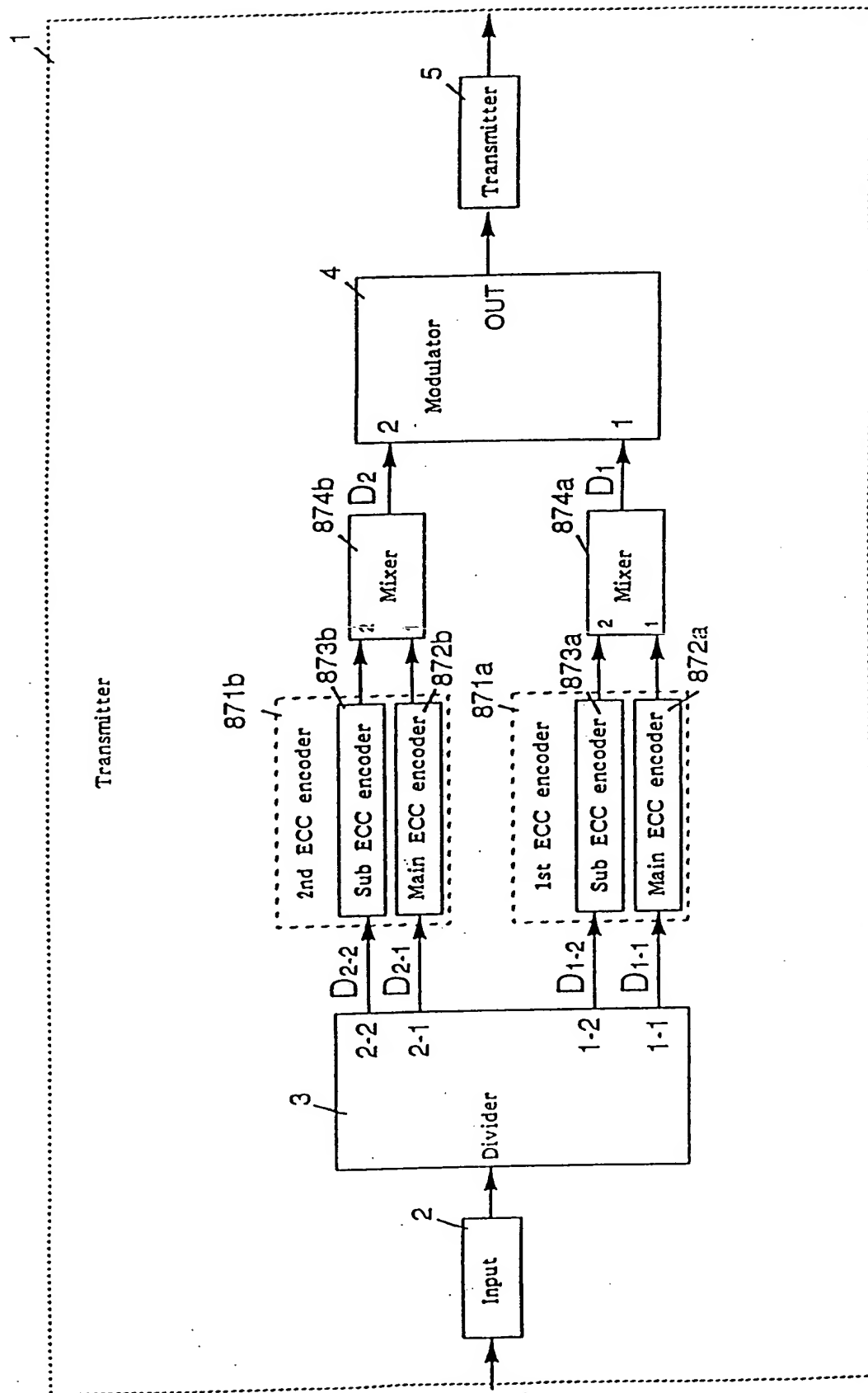


FIG. 88

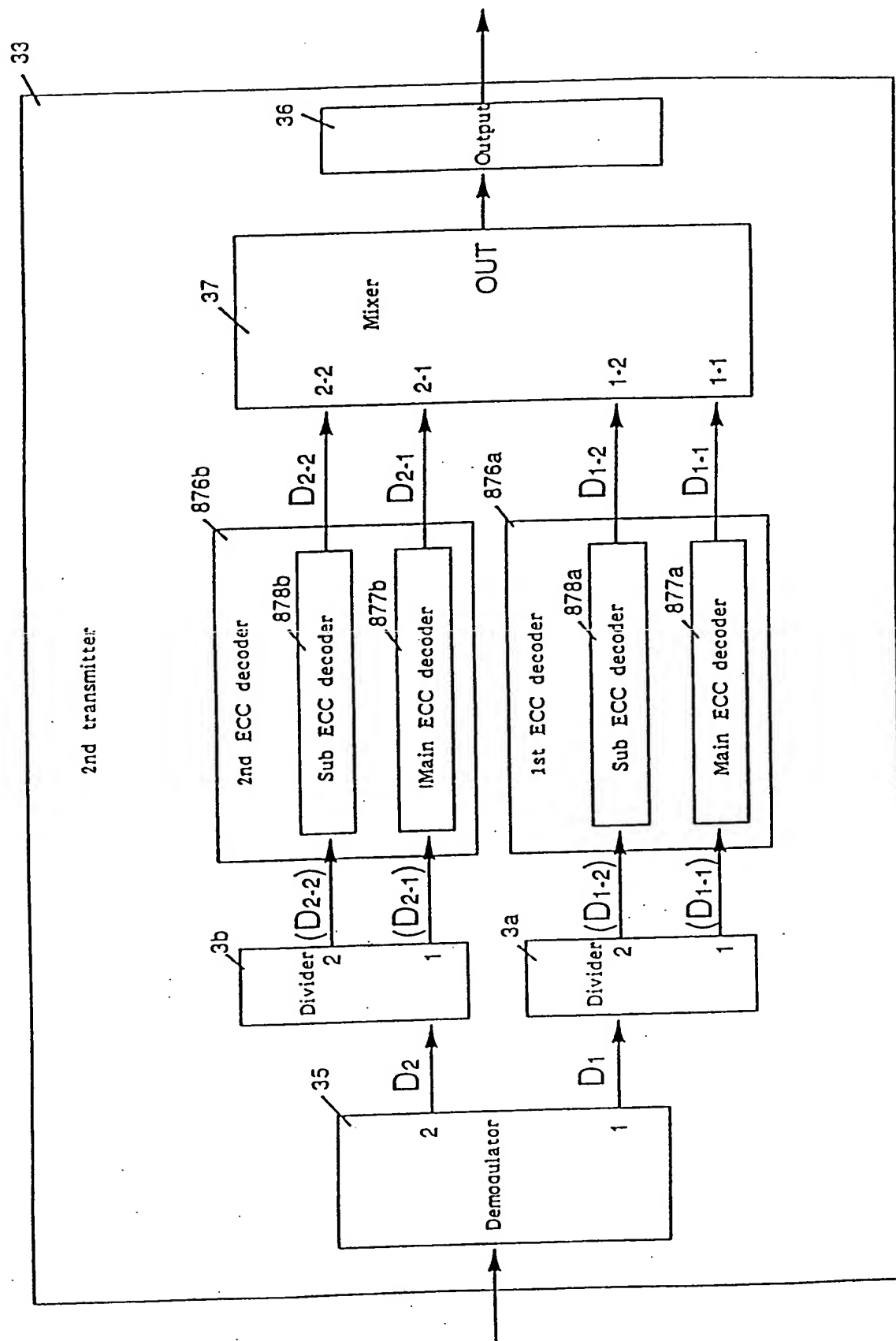




FIG. 89

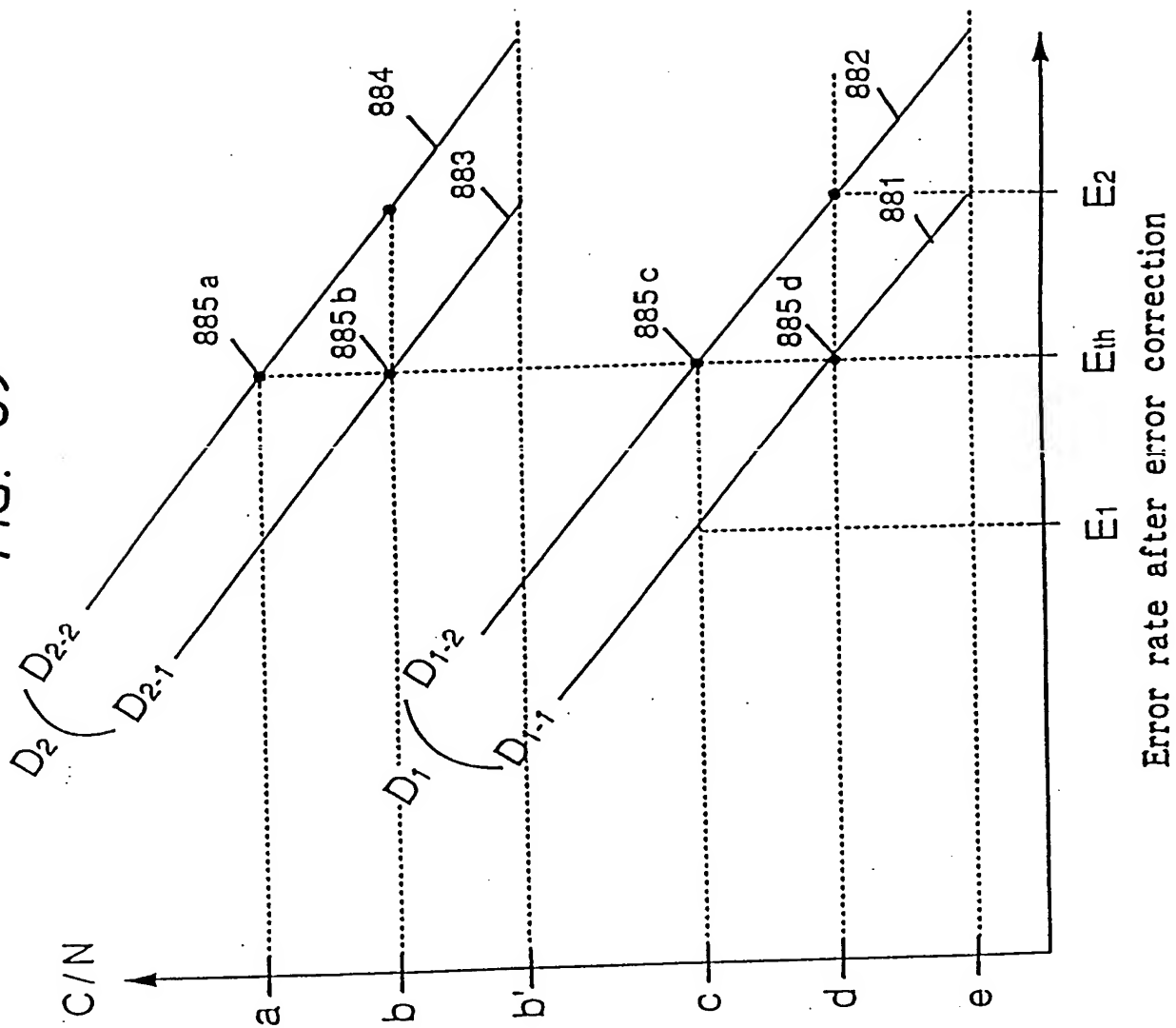


FIG. 90

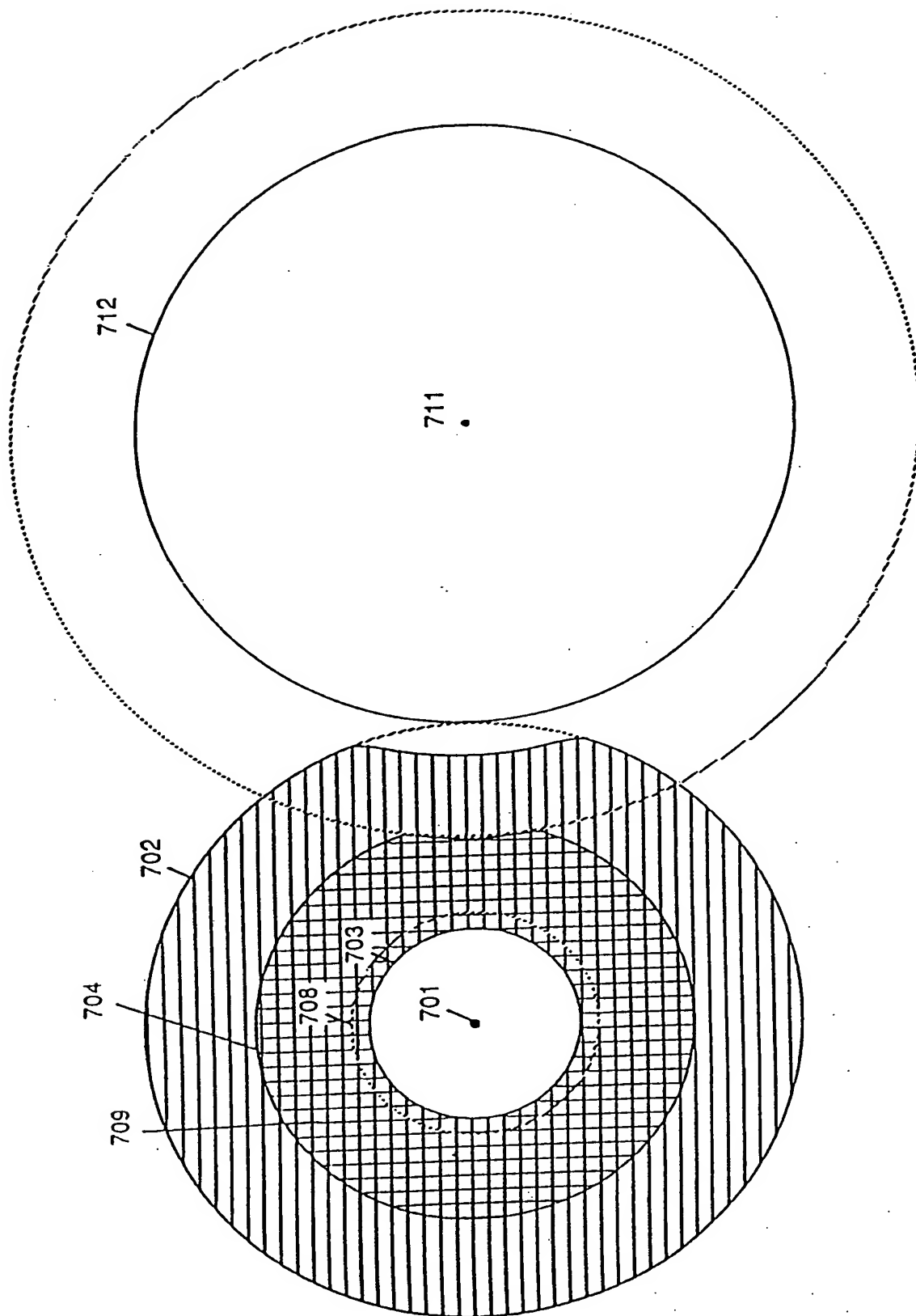


FIG. 91

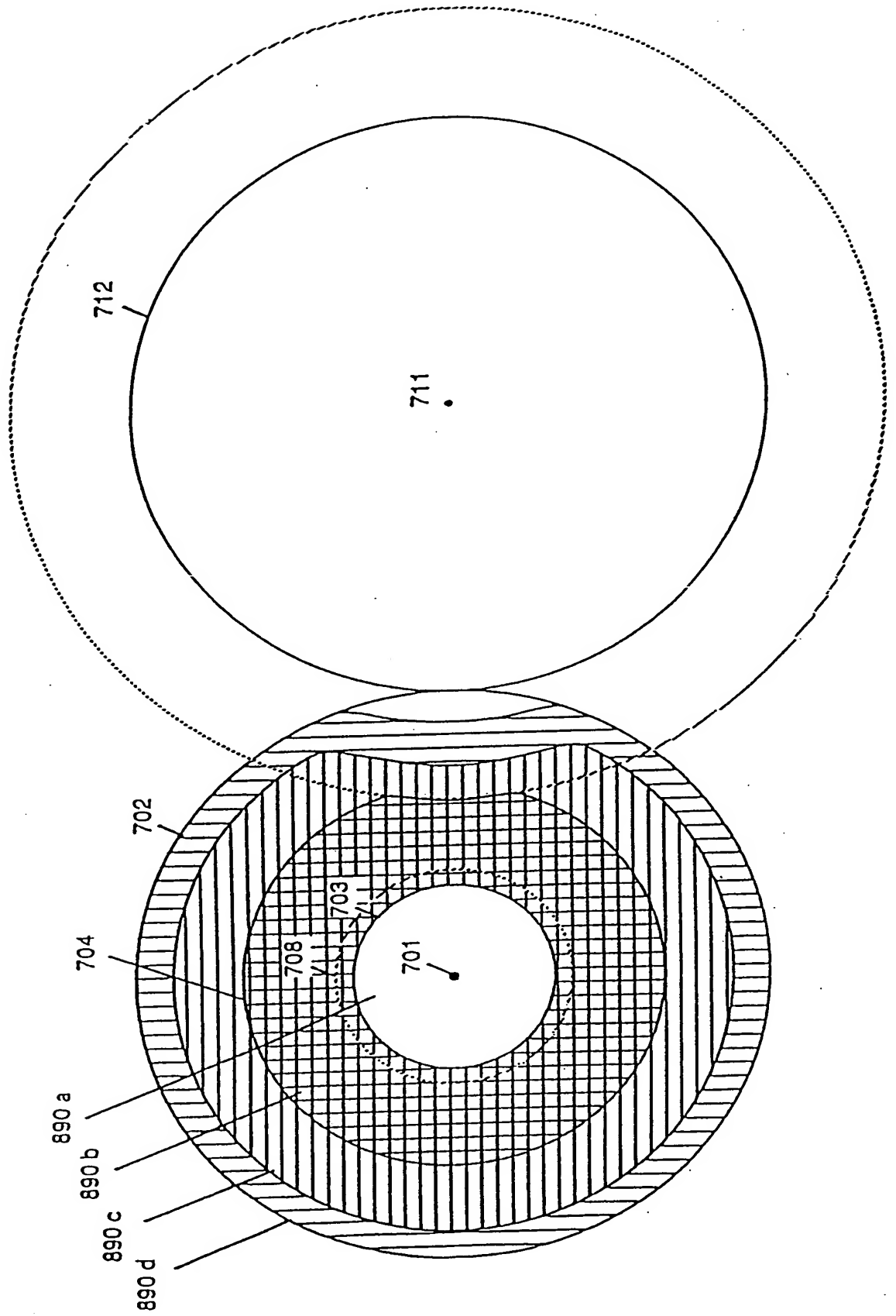


FIG. 92

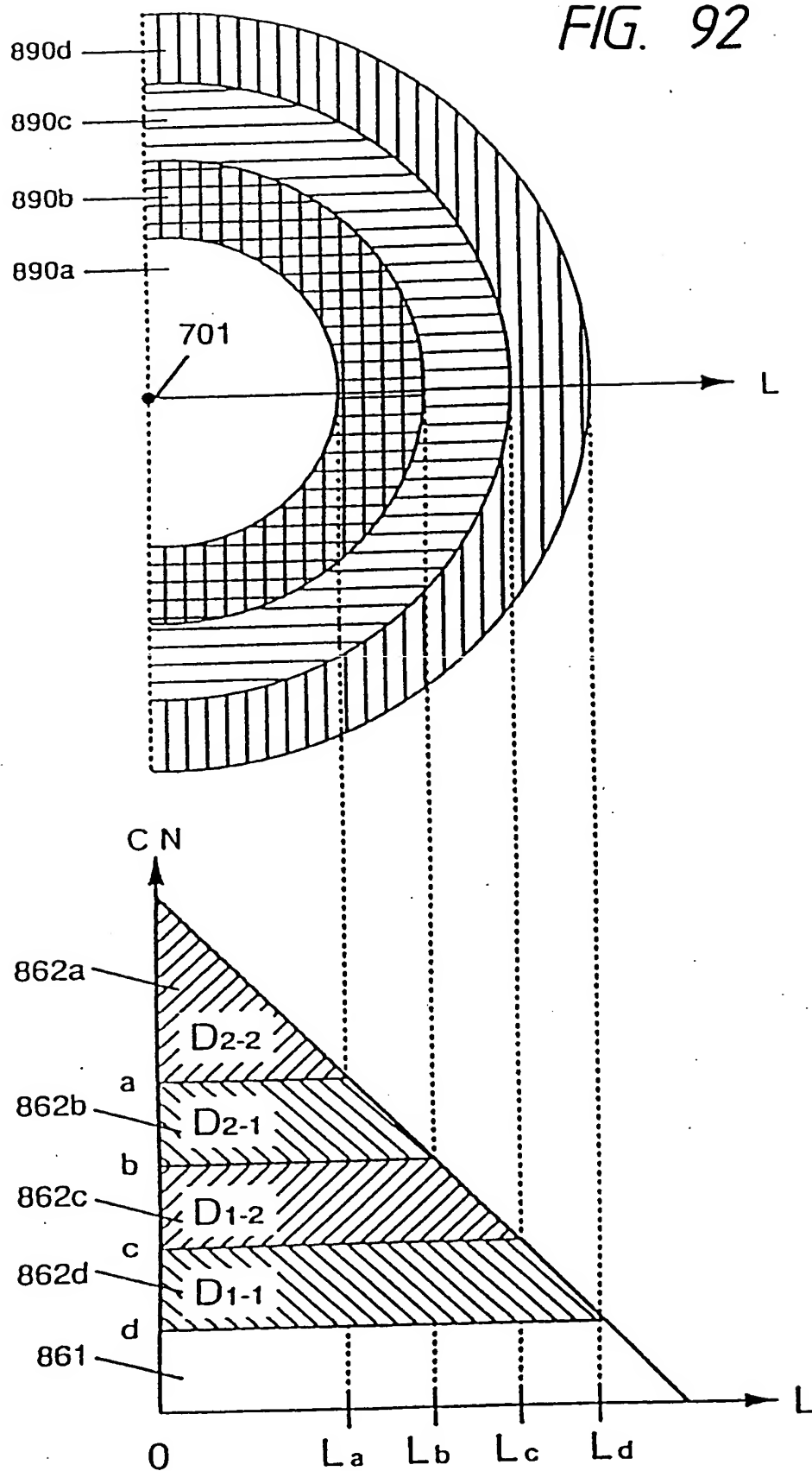
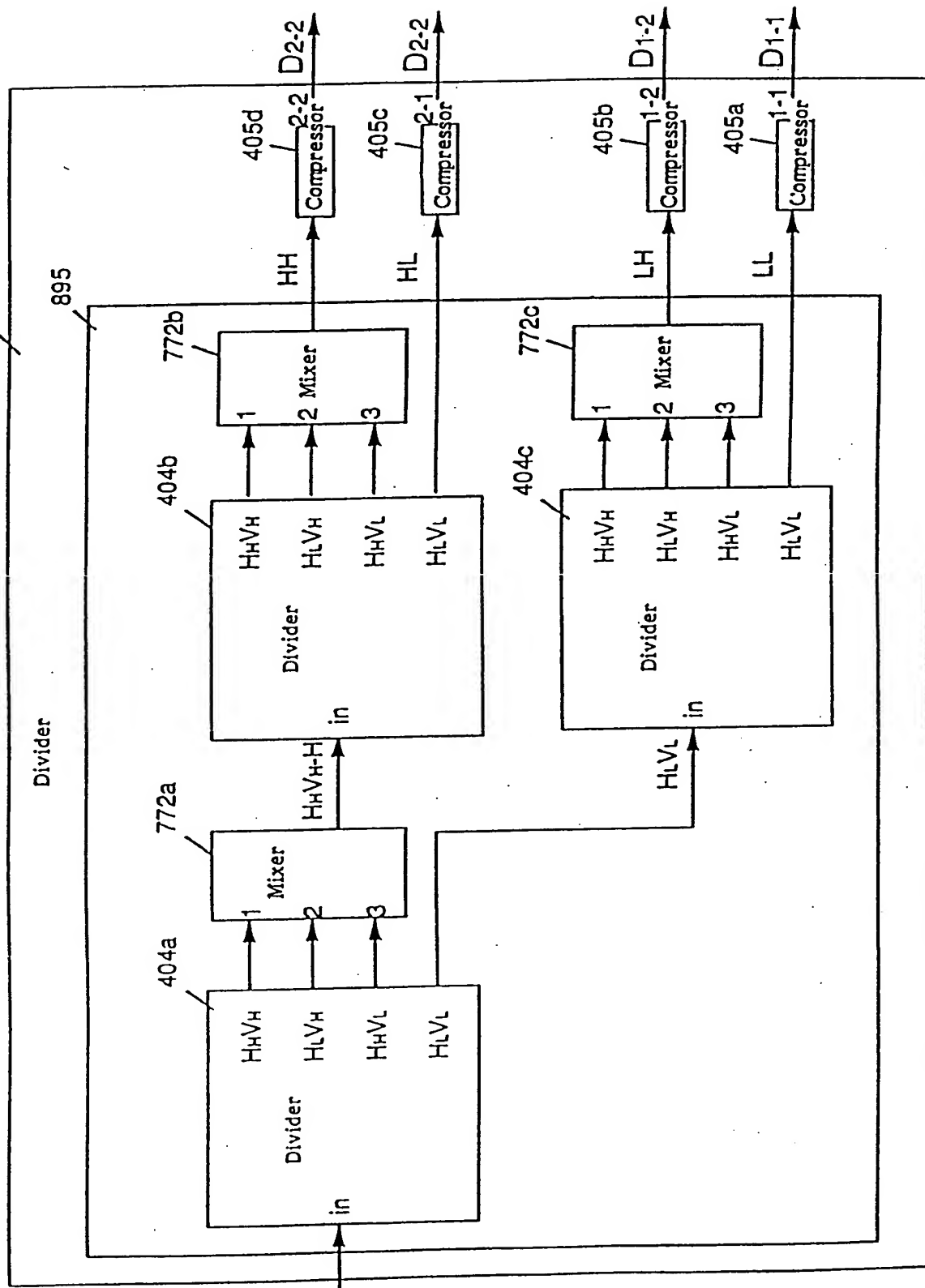


FIG. 93



33

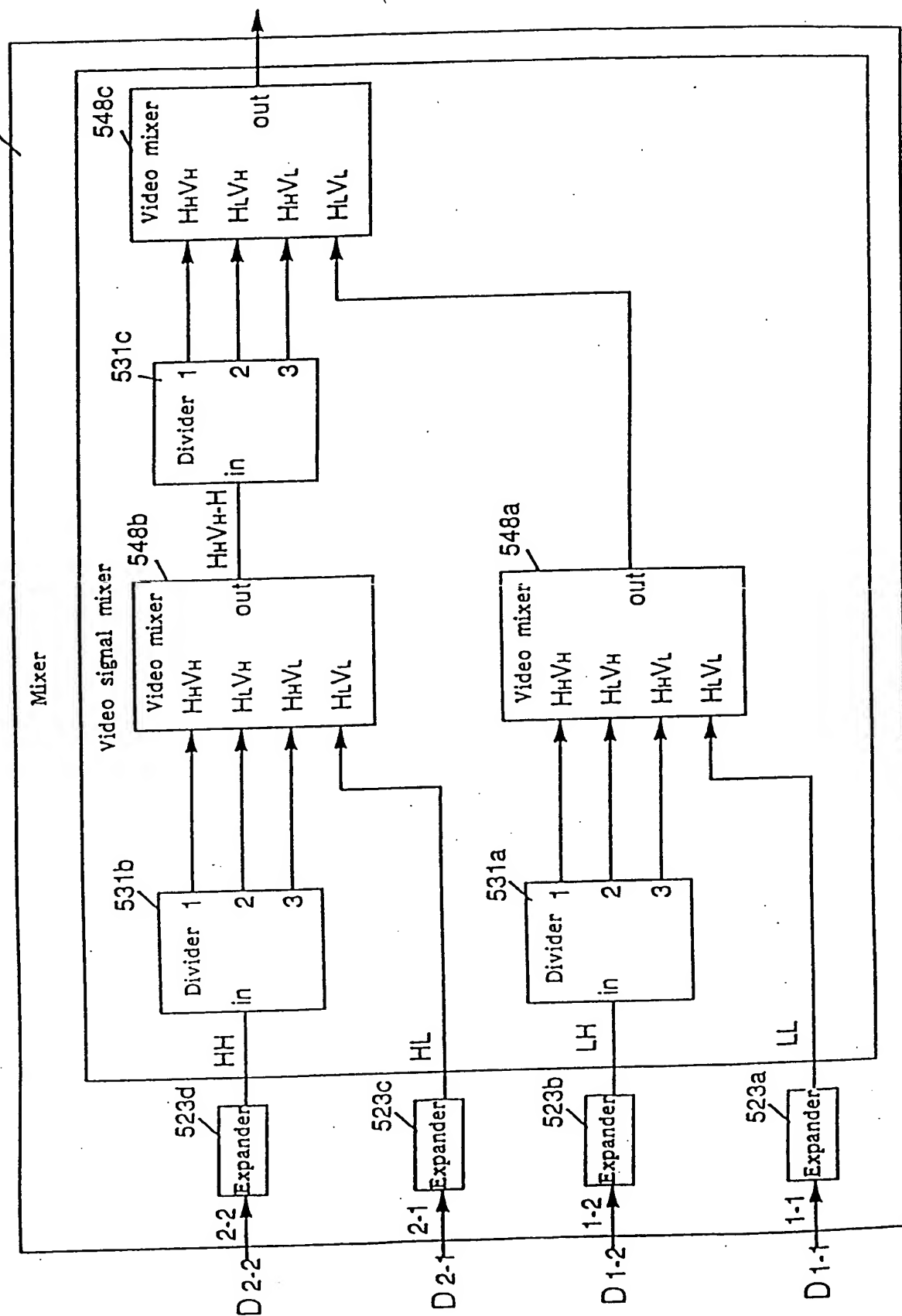


FIG. 95

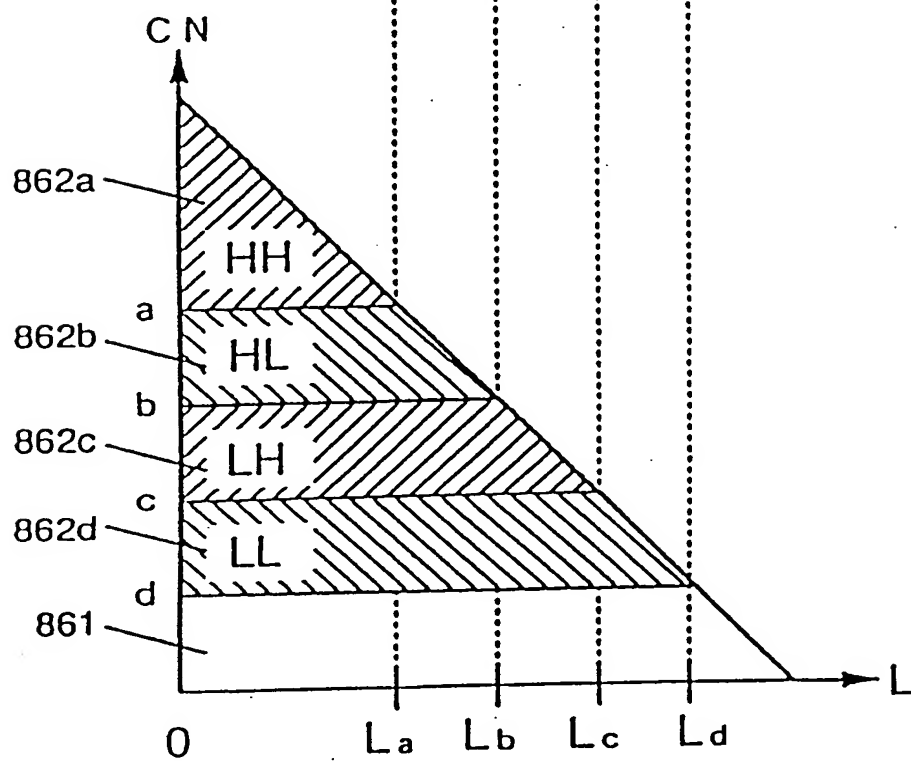
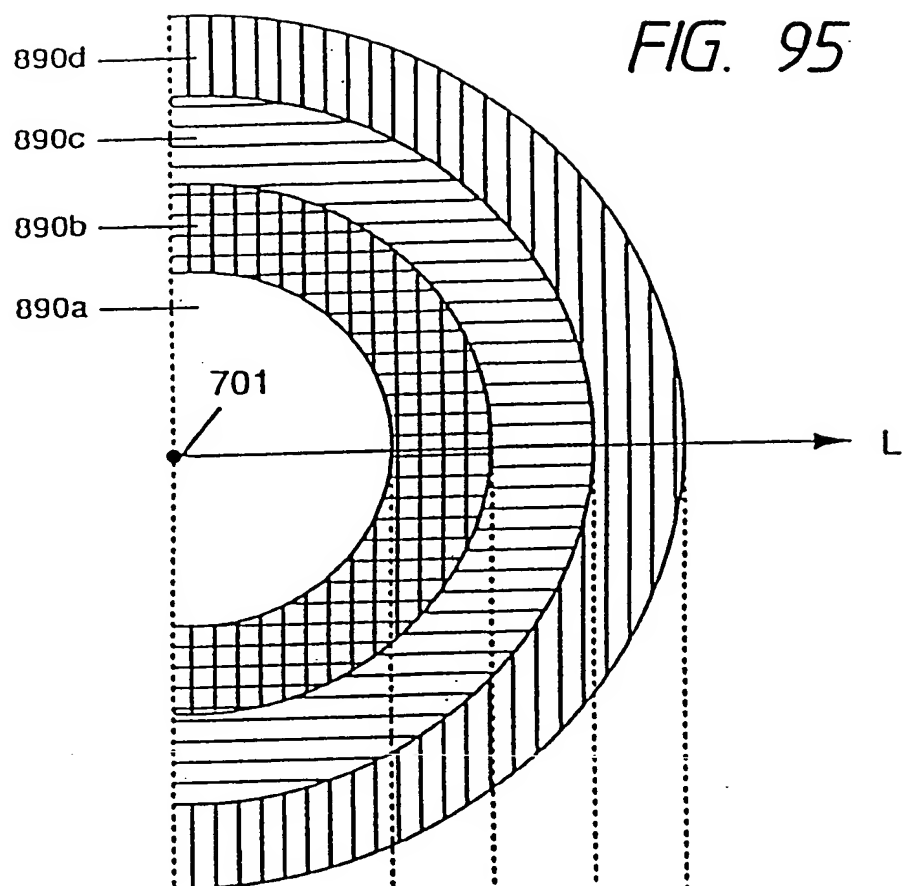


FIG. 96

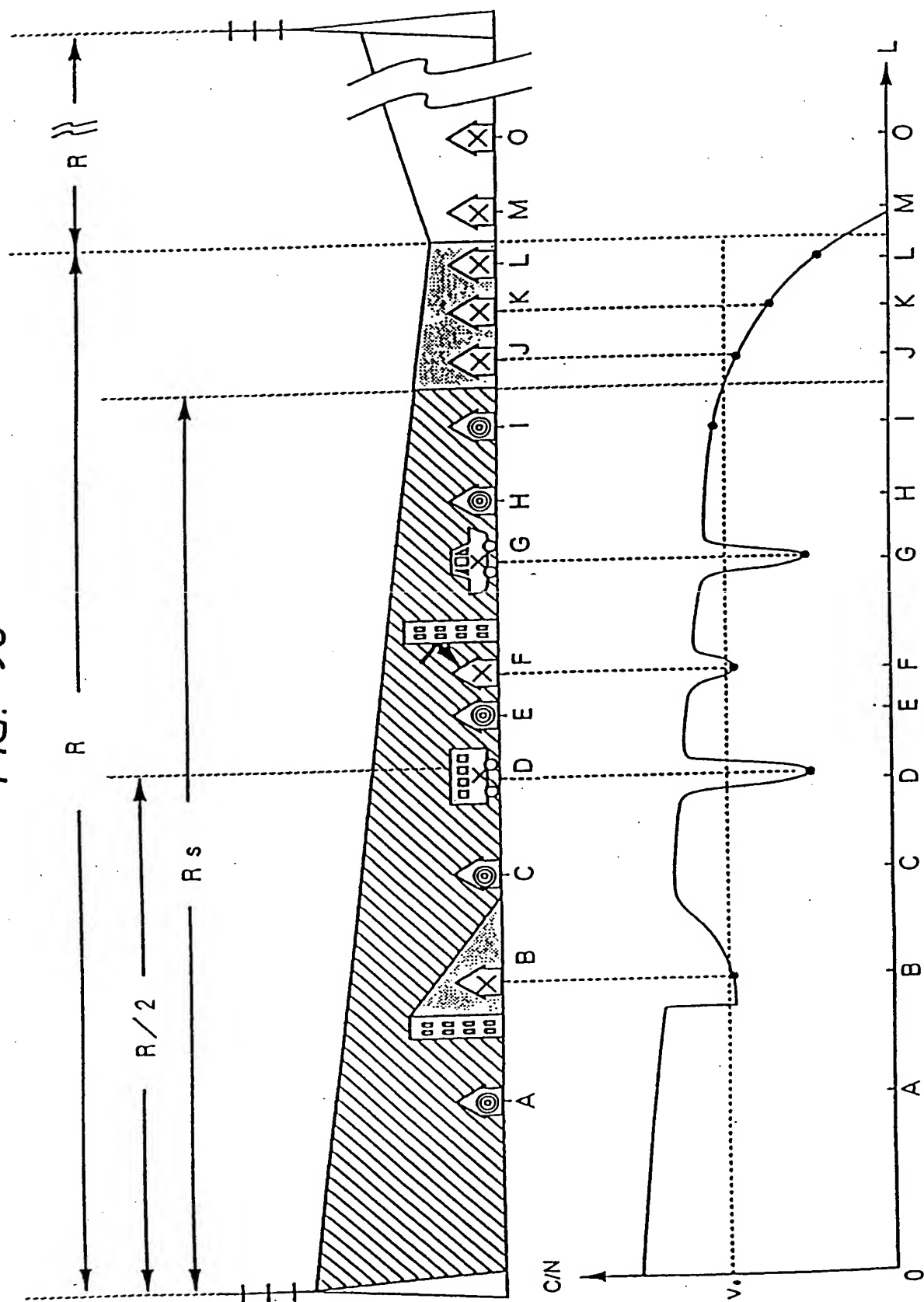




FIG. 97

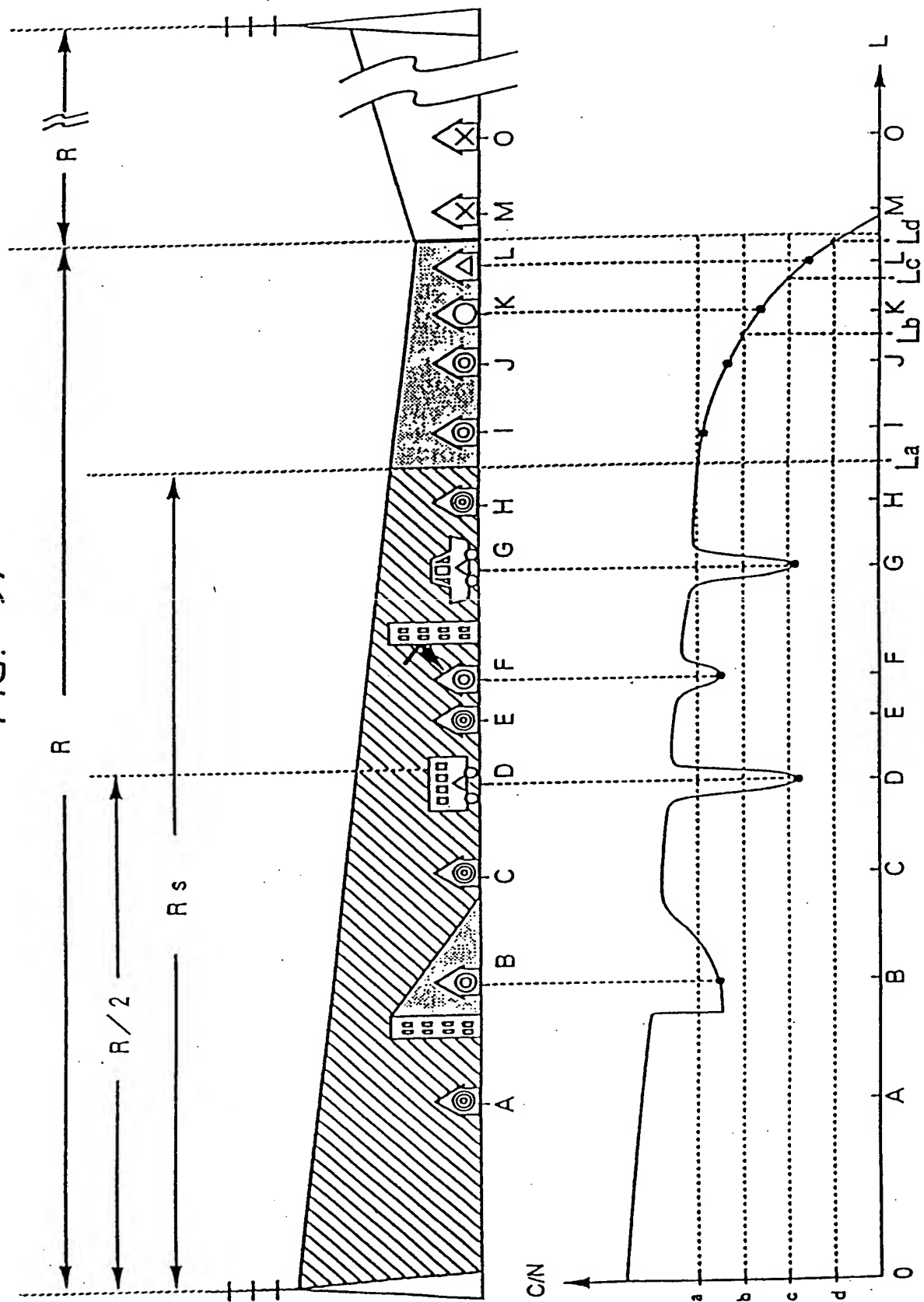


FIG. 98

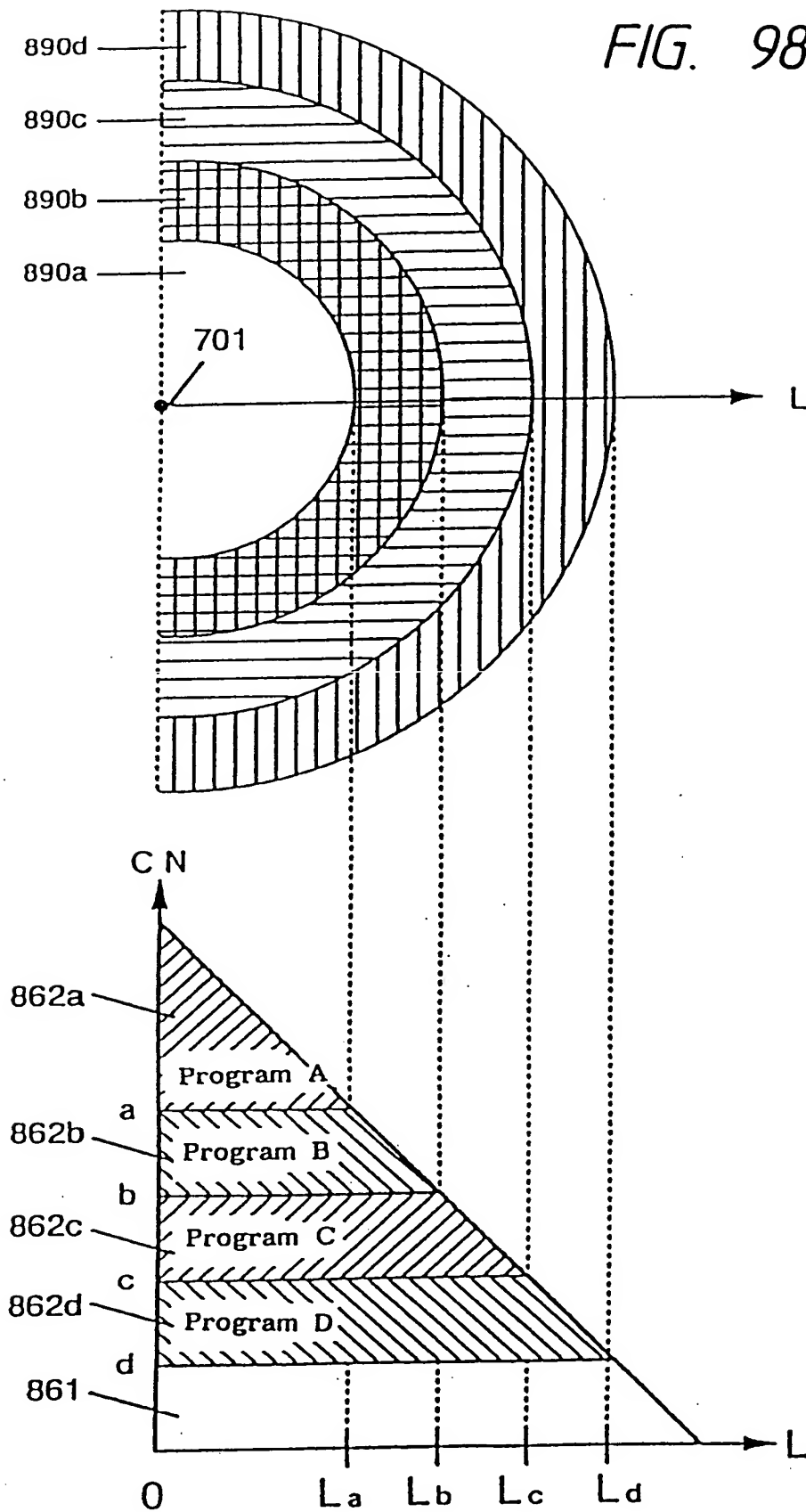


FIG. 99

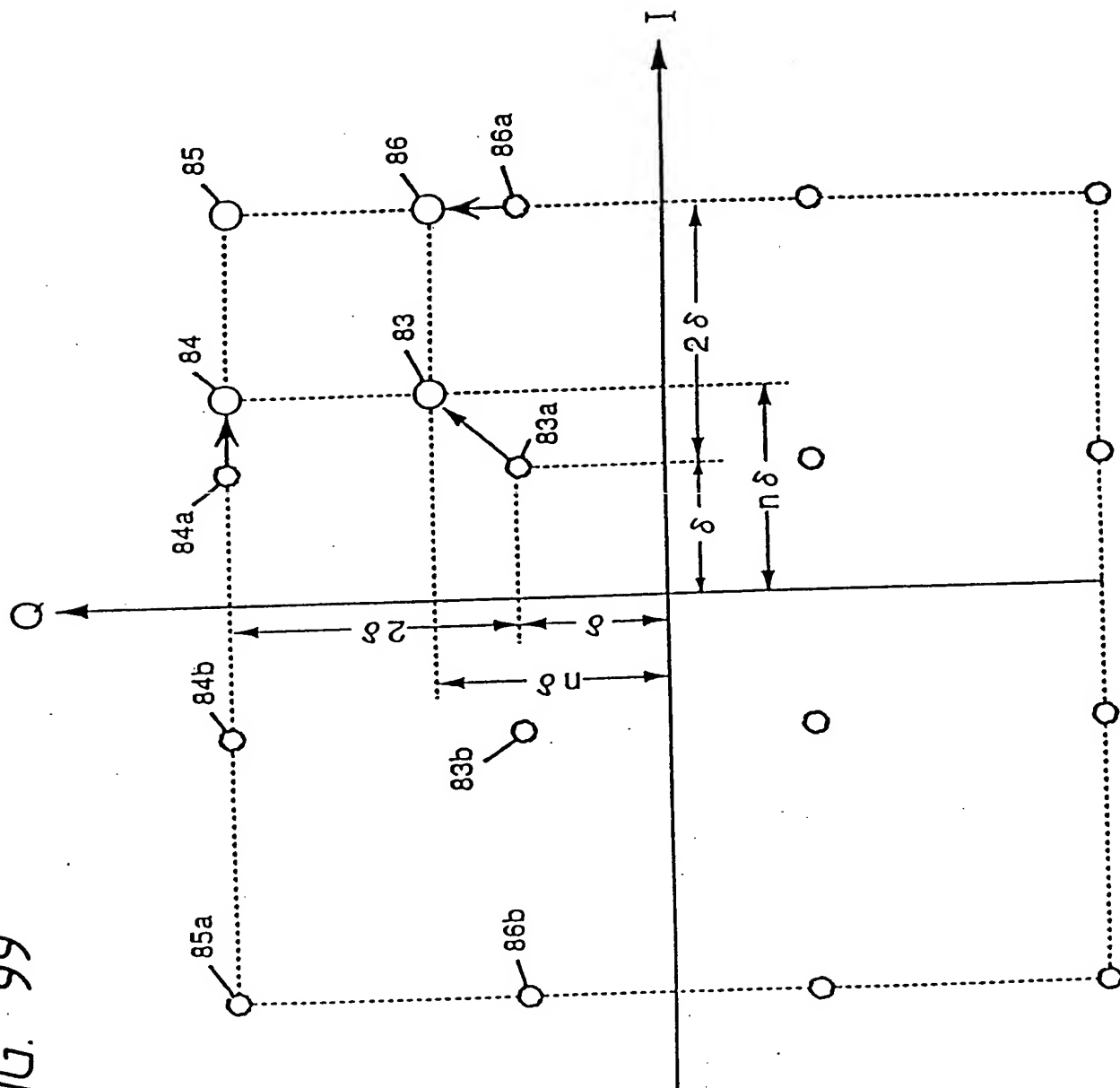


FIG. 100

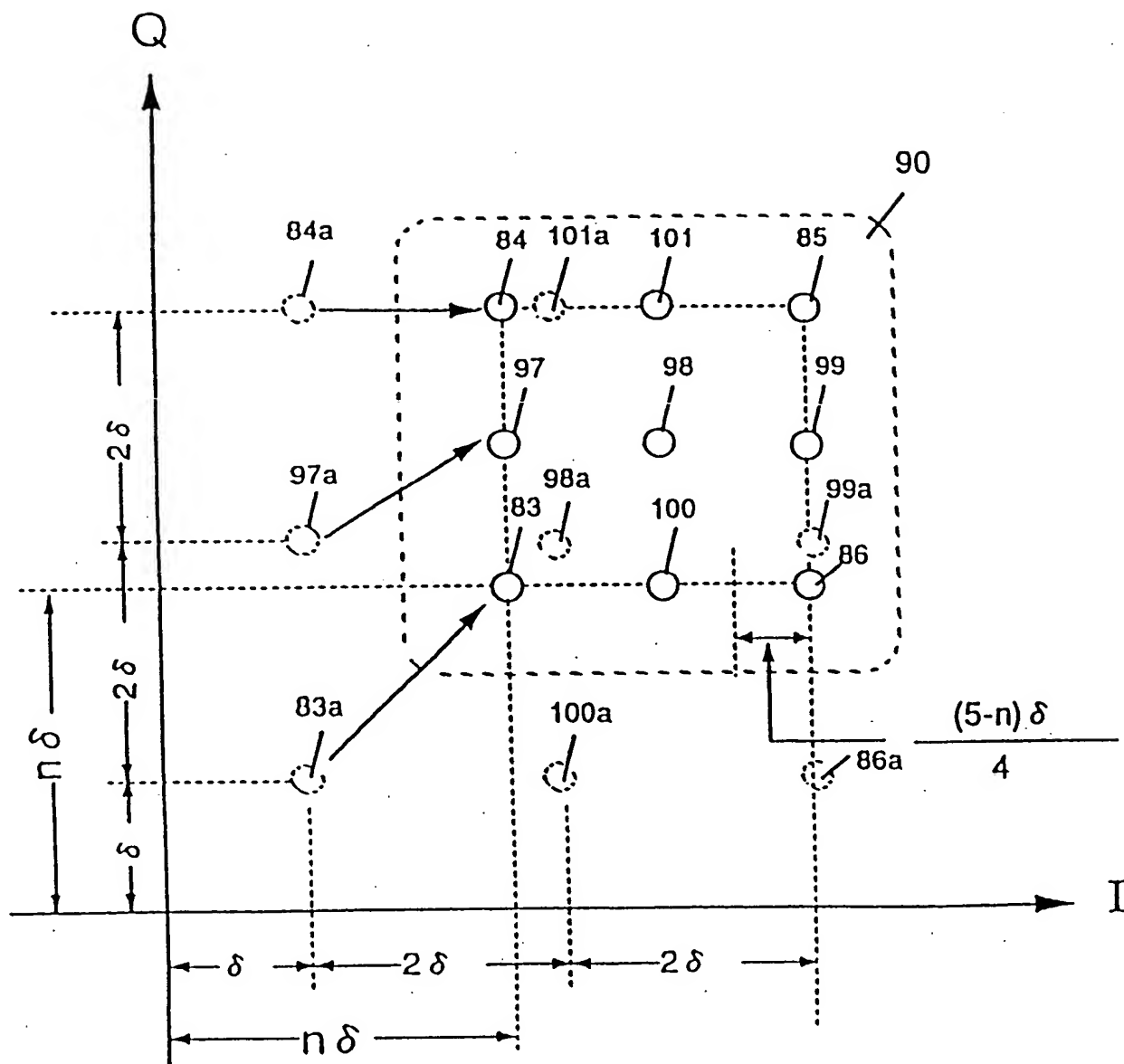


FIG. 101

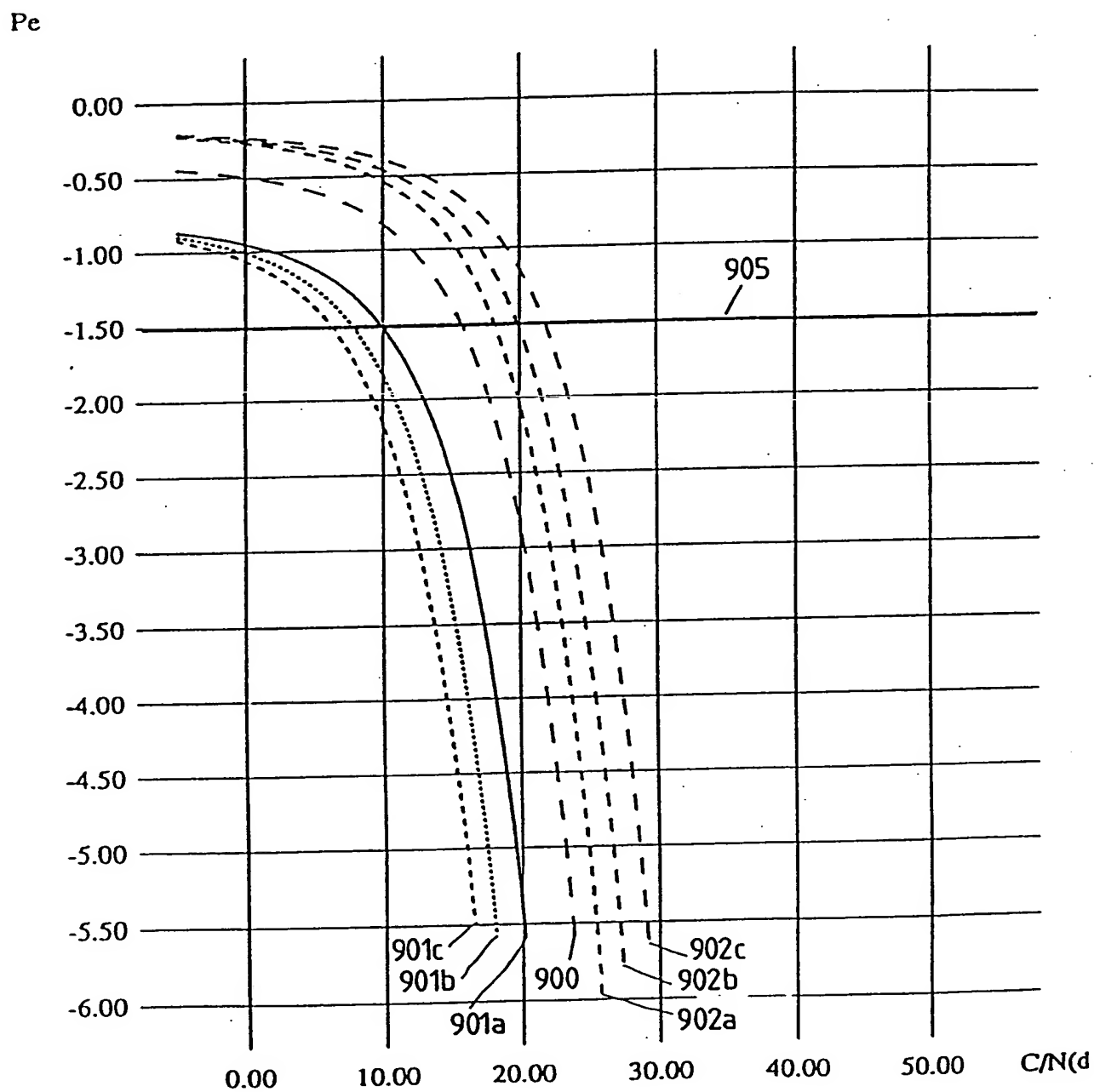


FIG. 102

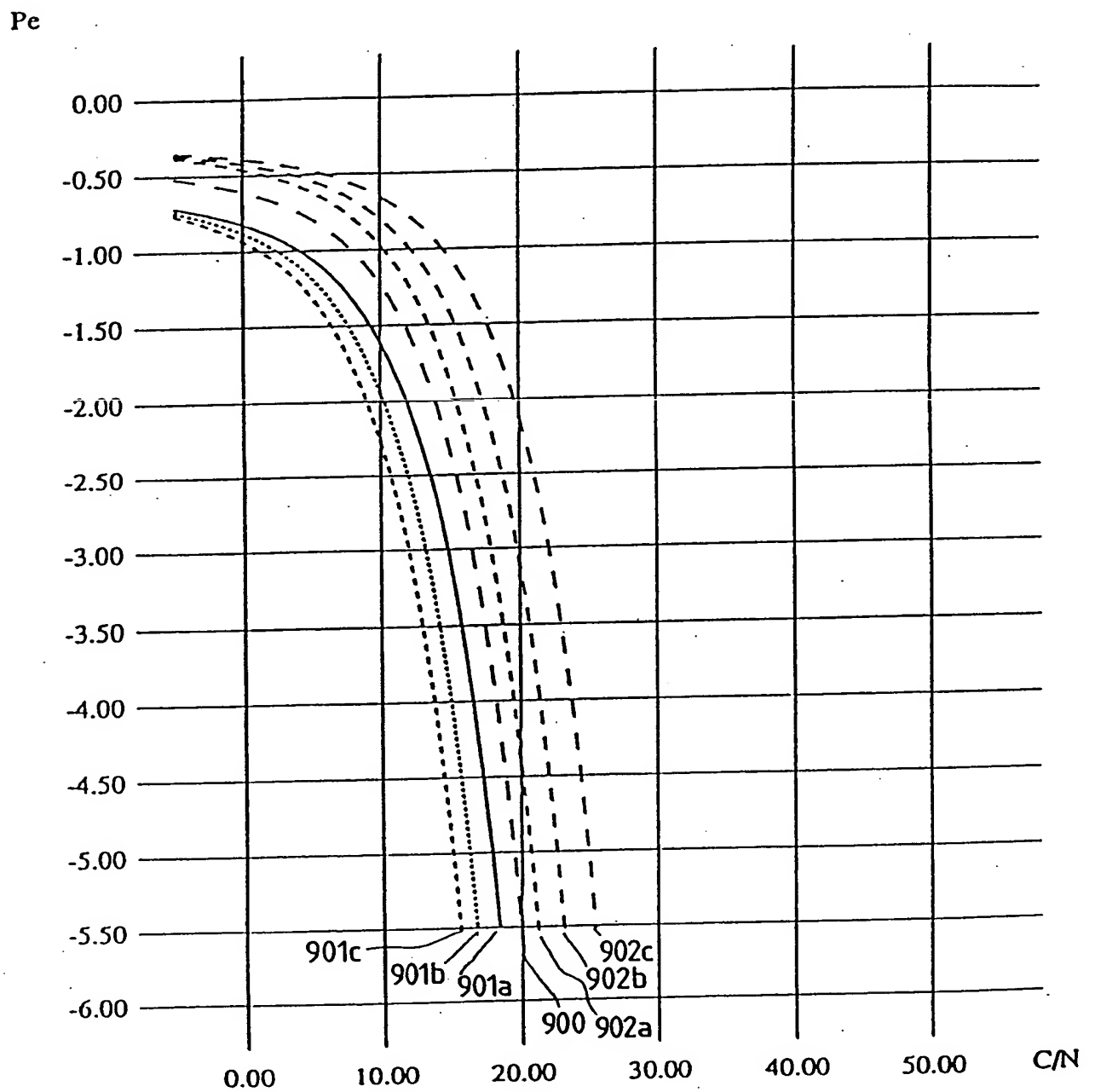


FIG. 103

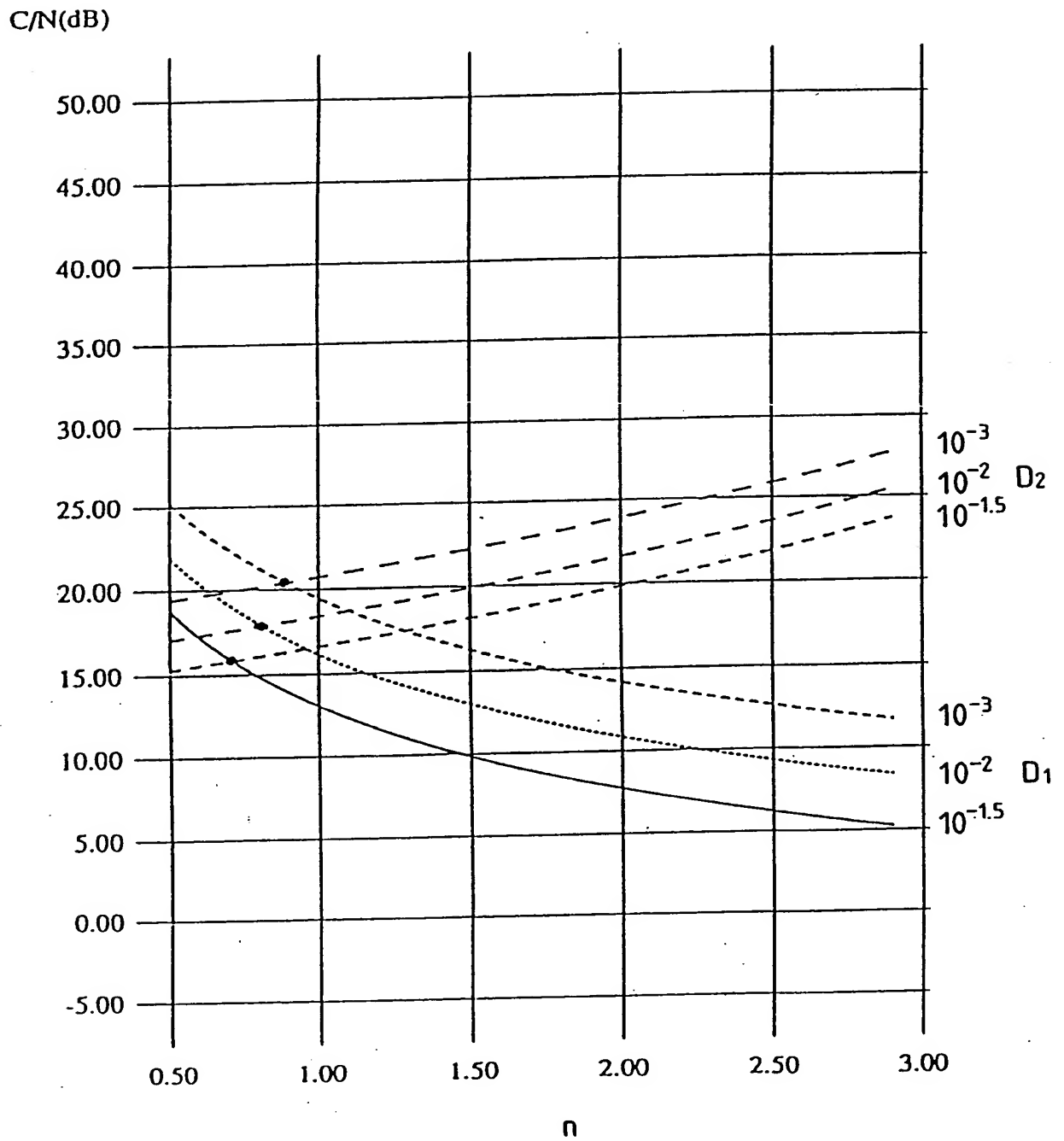


FIG. 104

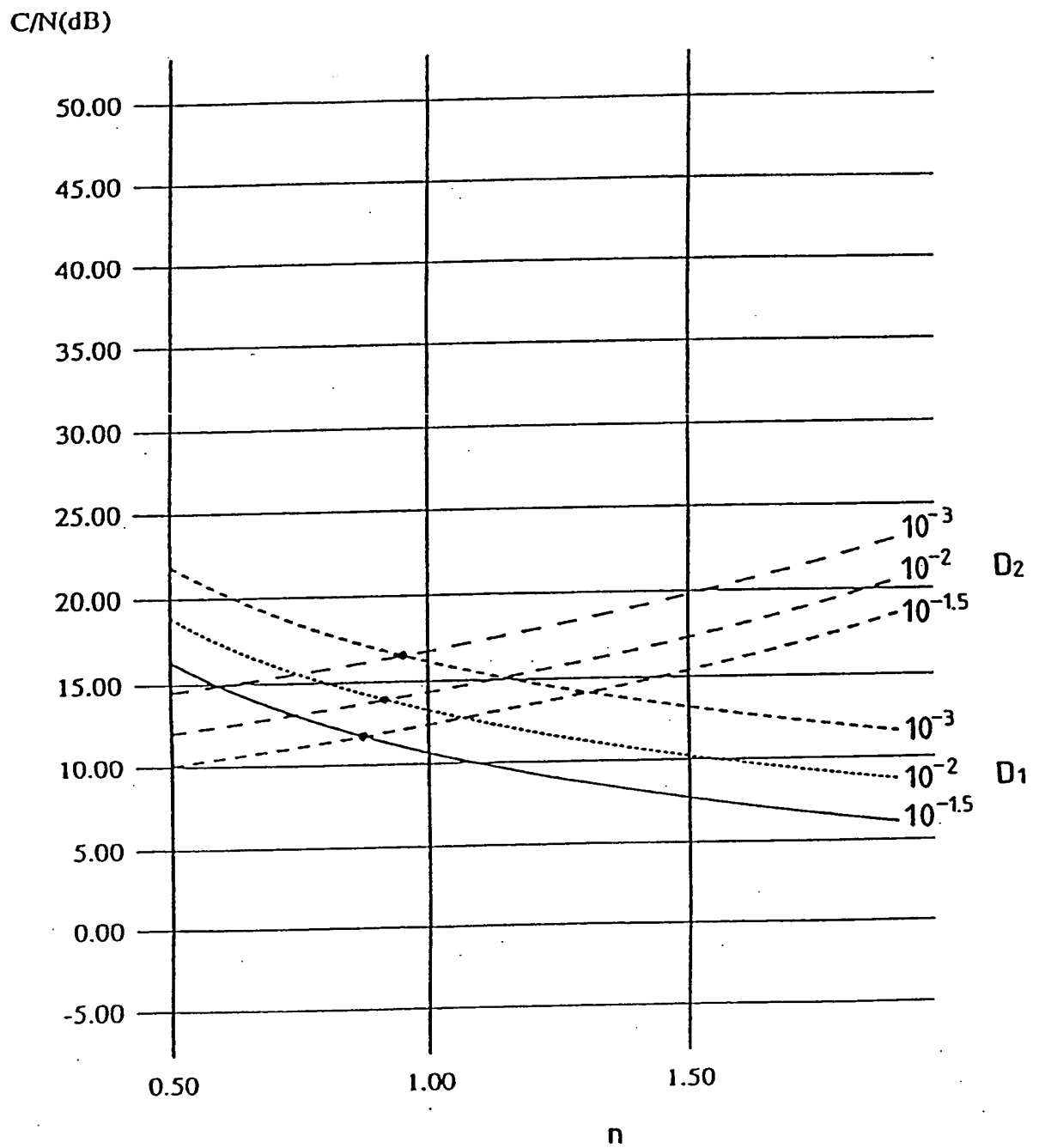




FIG. 105

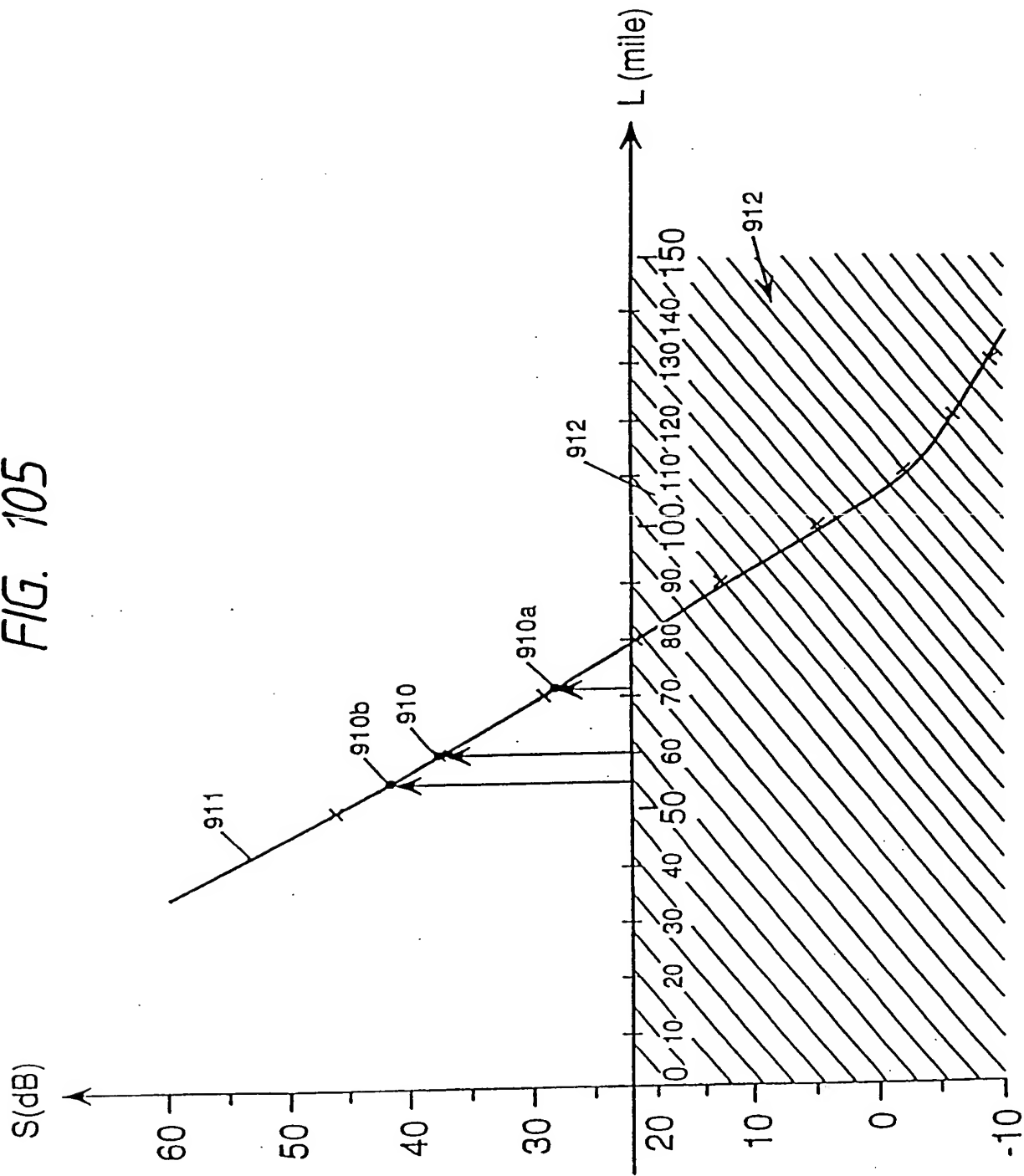
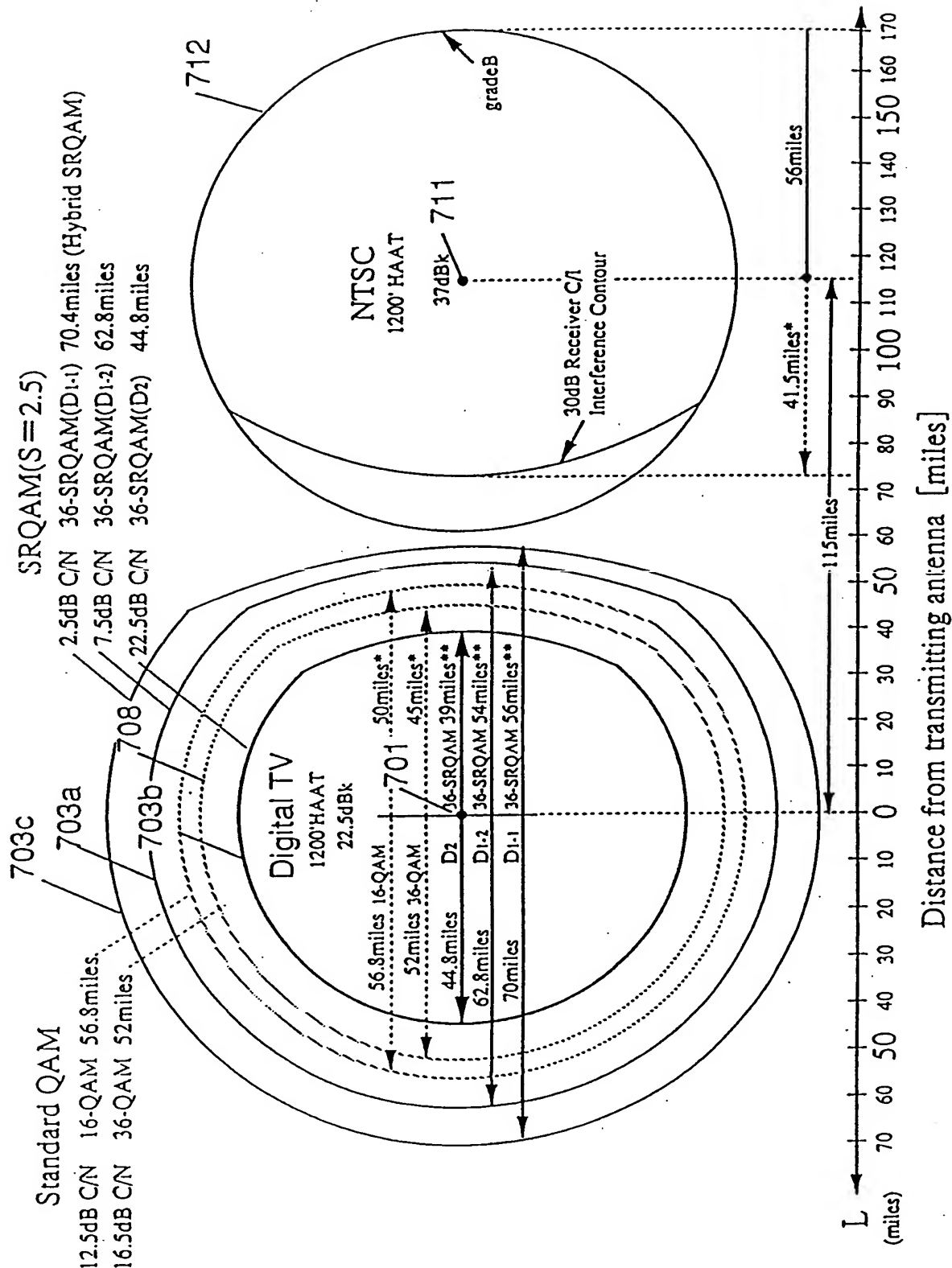
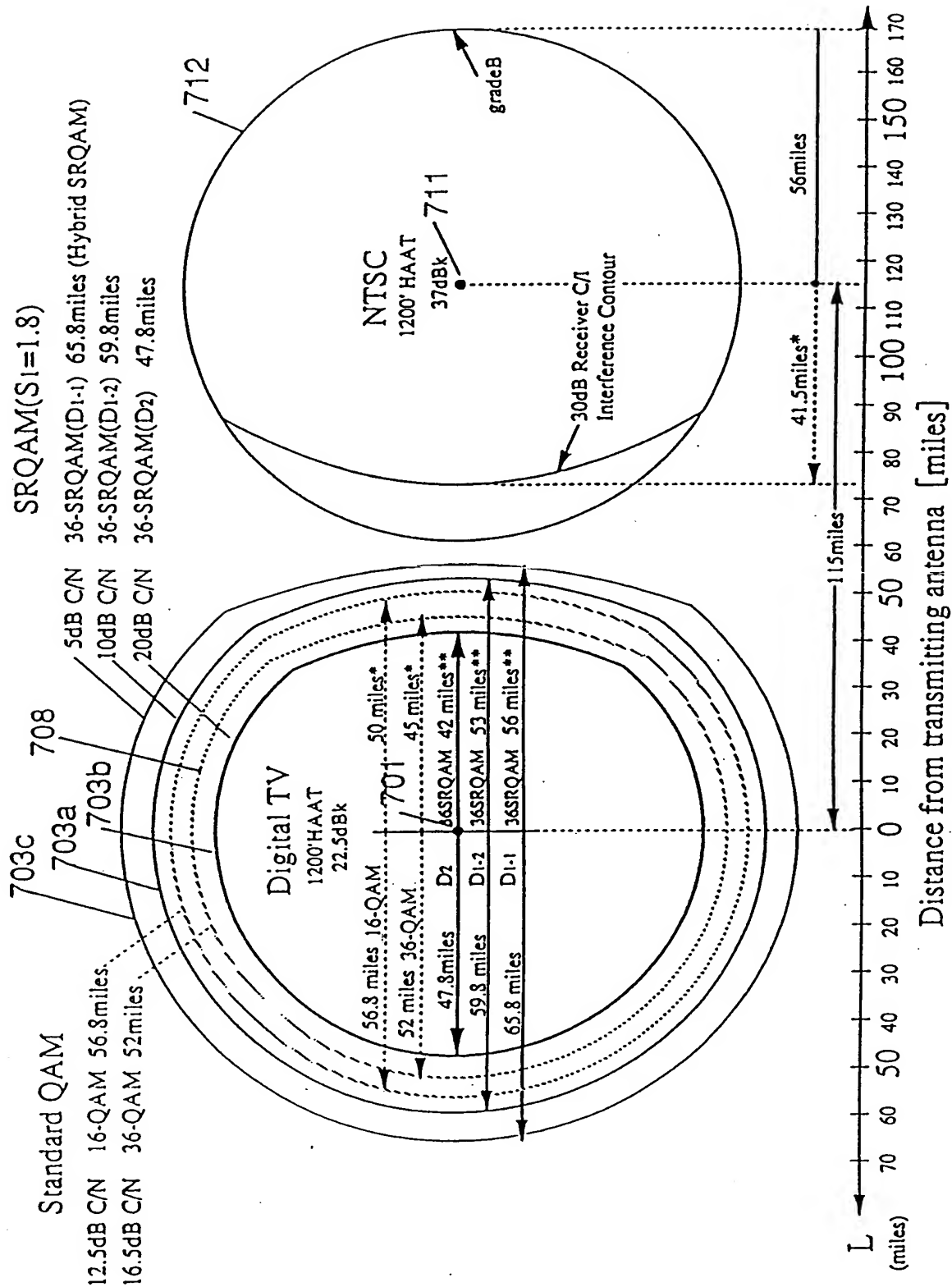


FIG. 106



# FIG. 107



\*\* : approximately calculated

FIG. 108

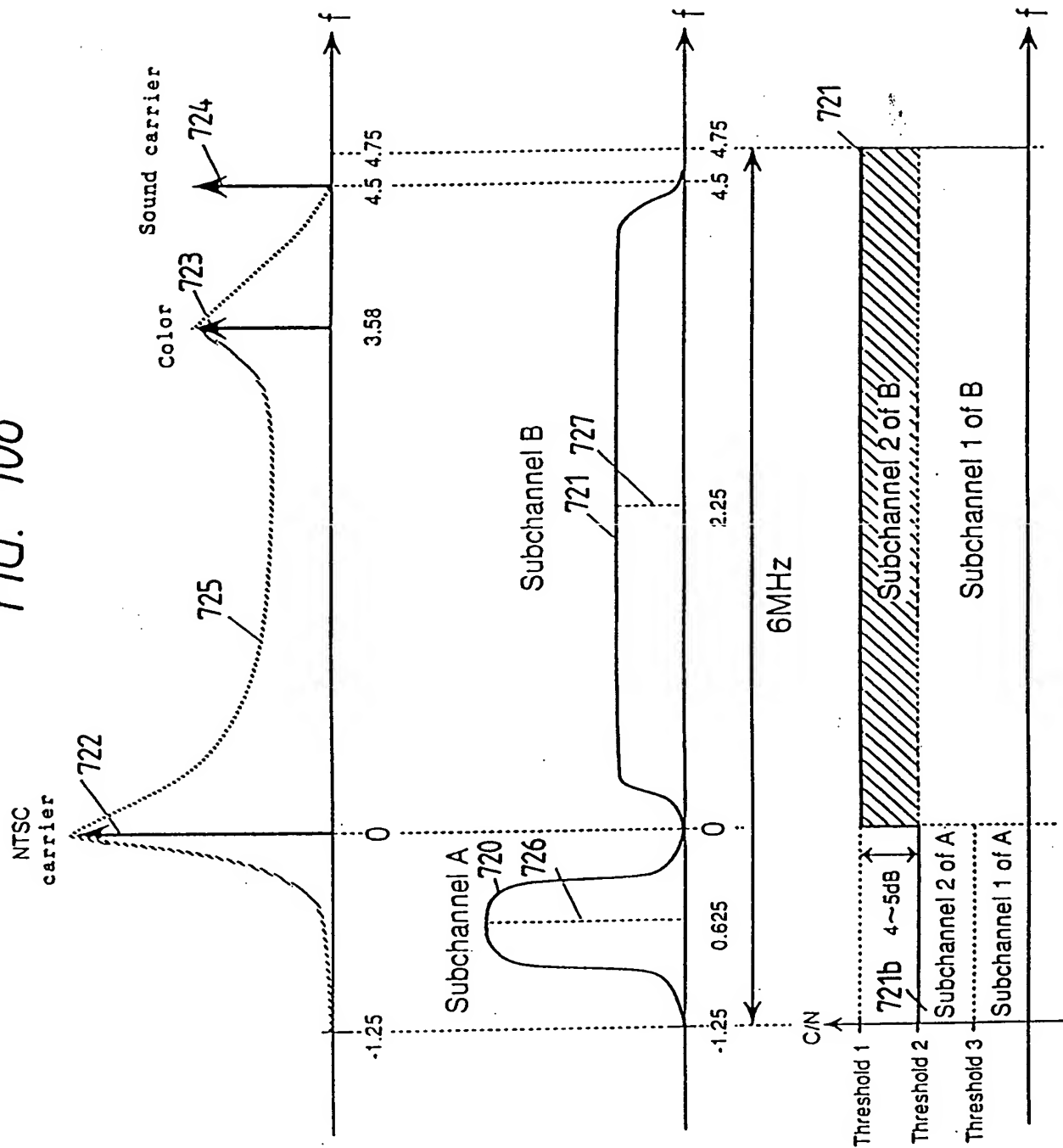


FIG. 109

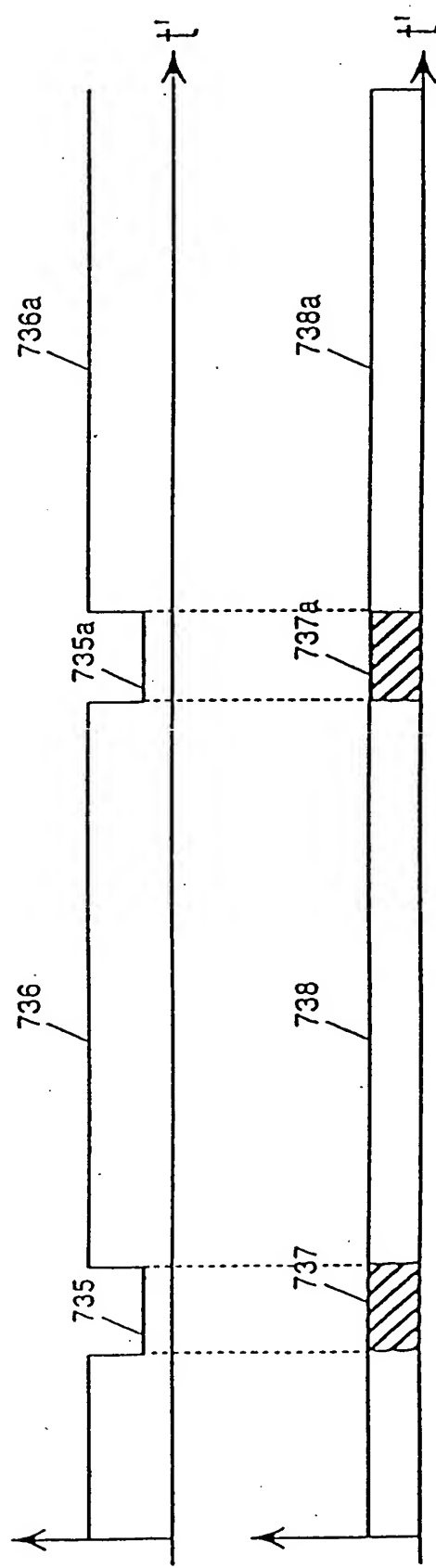
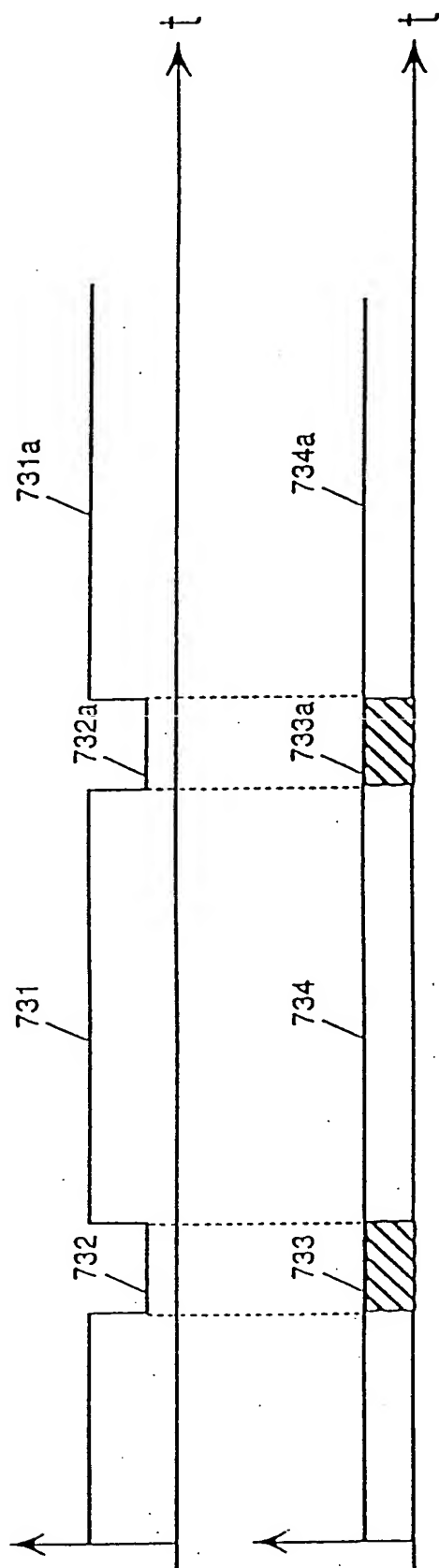


FIG. 110

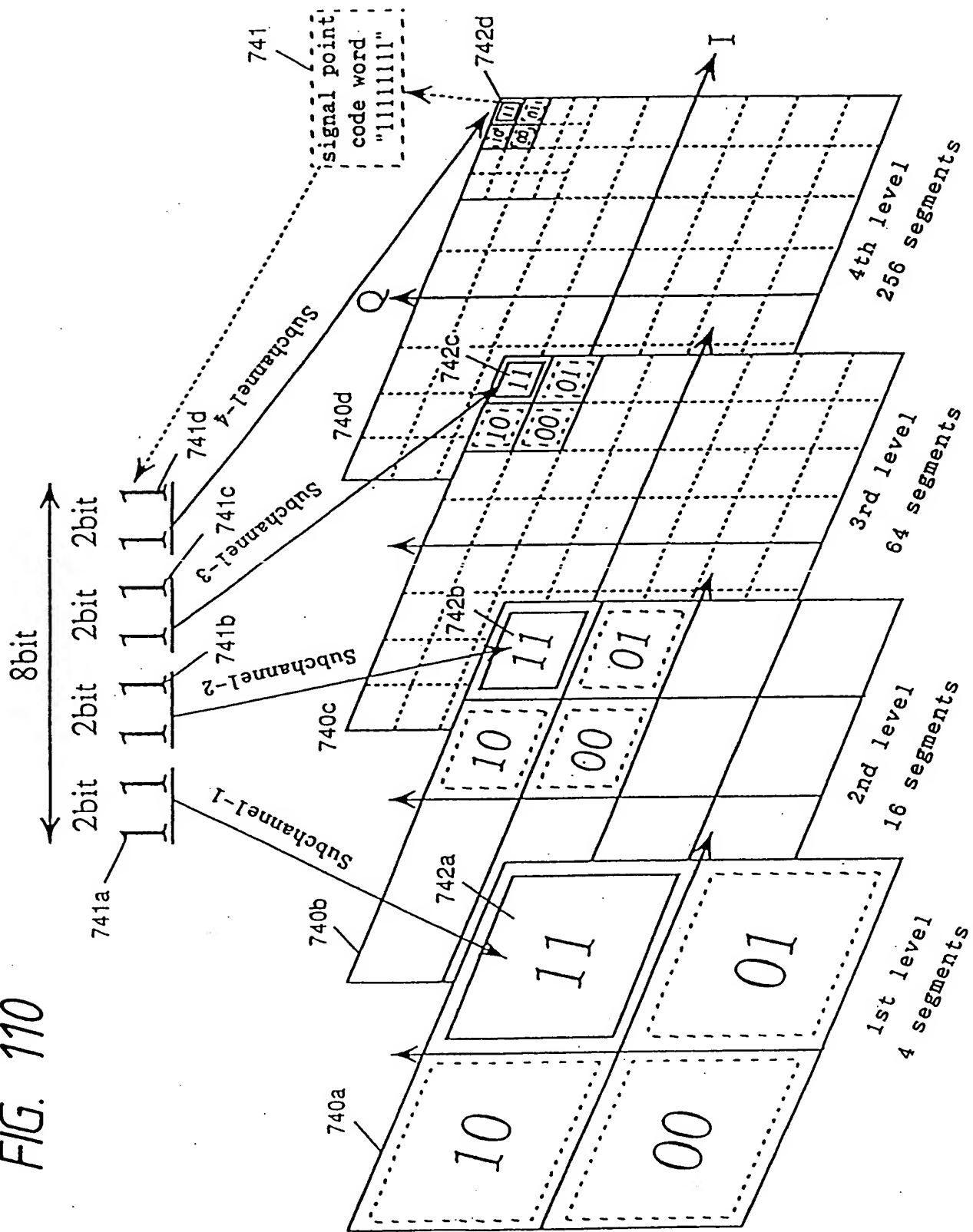
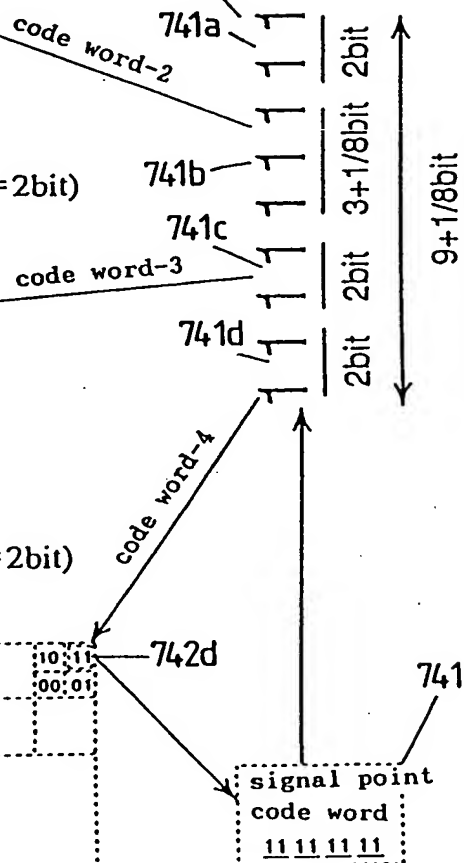


Figure 1 shows a 3x3 matrix of 3-bit binary strings. The vertical axis is labeled Q and the horizontal axis is labeled I. The matrix is enclosed in a dashed box labeled 740b. The strings are: Row 1: 010, 110, 1000; Row 2: 001, 101, 111; Row 3: 000, 100, 011. A dashed box labeled 742b encloses the strings 110, 101, 111, and 100.

A 3x3 grid representing a 3D coordinate system. The vertical axis is labeled 'Q' and the horizontal axis is labeled 'I'. The top-left cell is labeled '740d'. The top-right cell is labeled '10:11' and '00:01' with arrows pointing to them.



Subchannel-1 (SRQAM:  $D_1=2\text{bit}$ )

FIG. 112

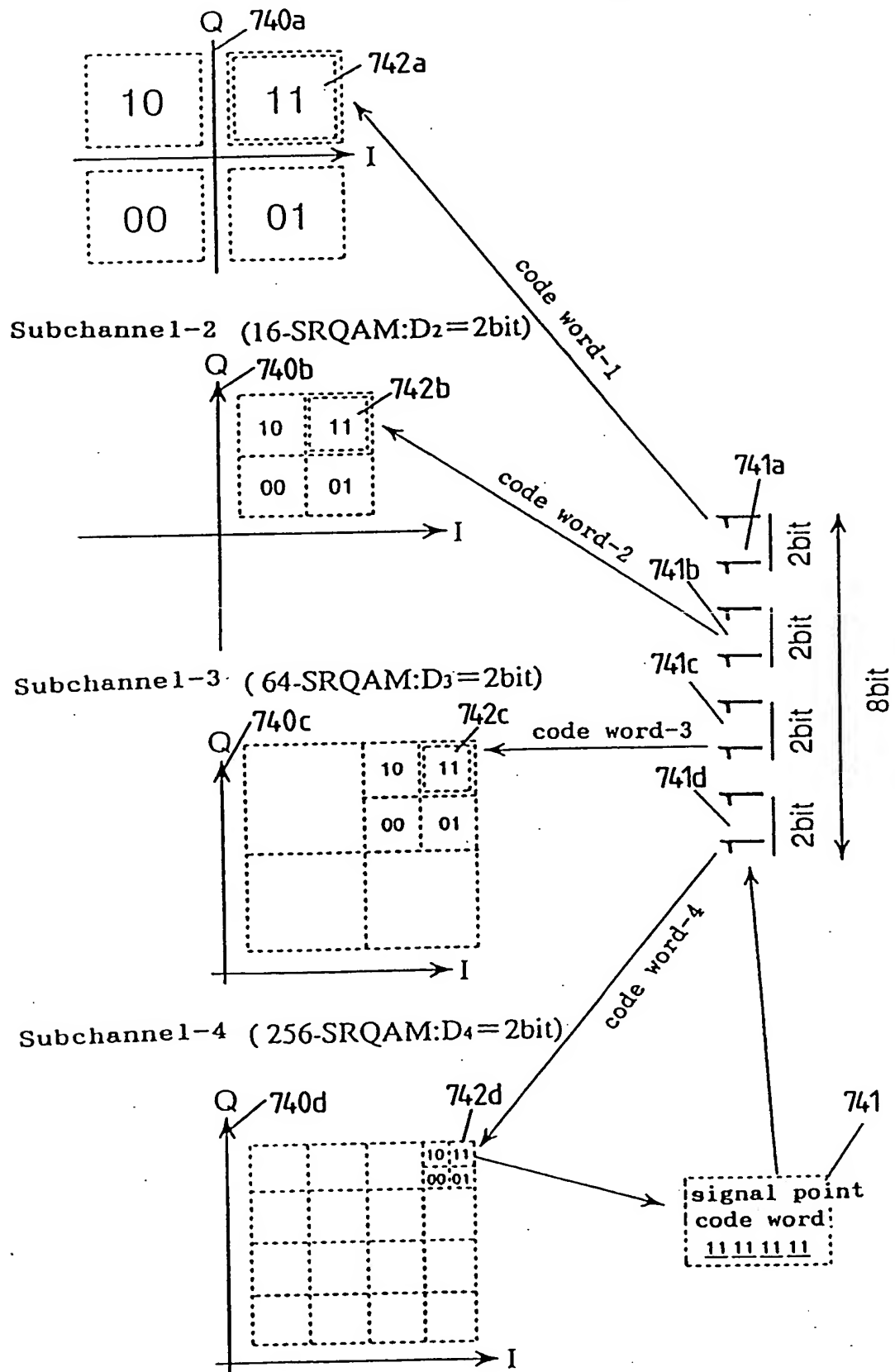




FIG. 113

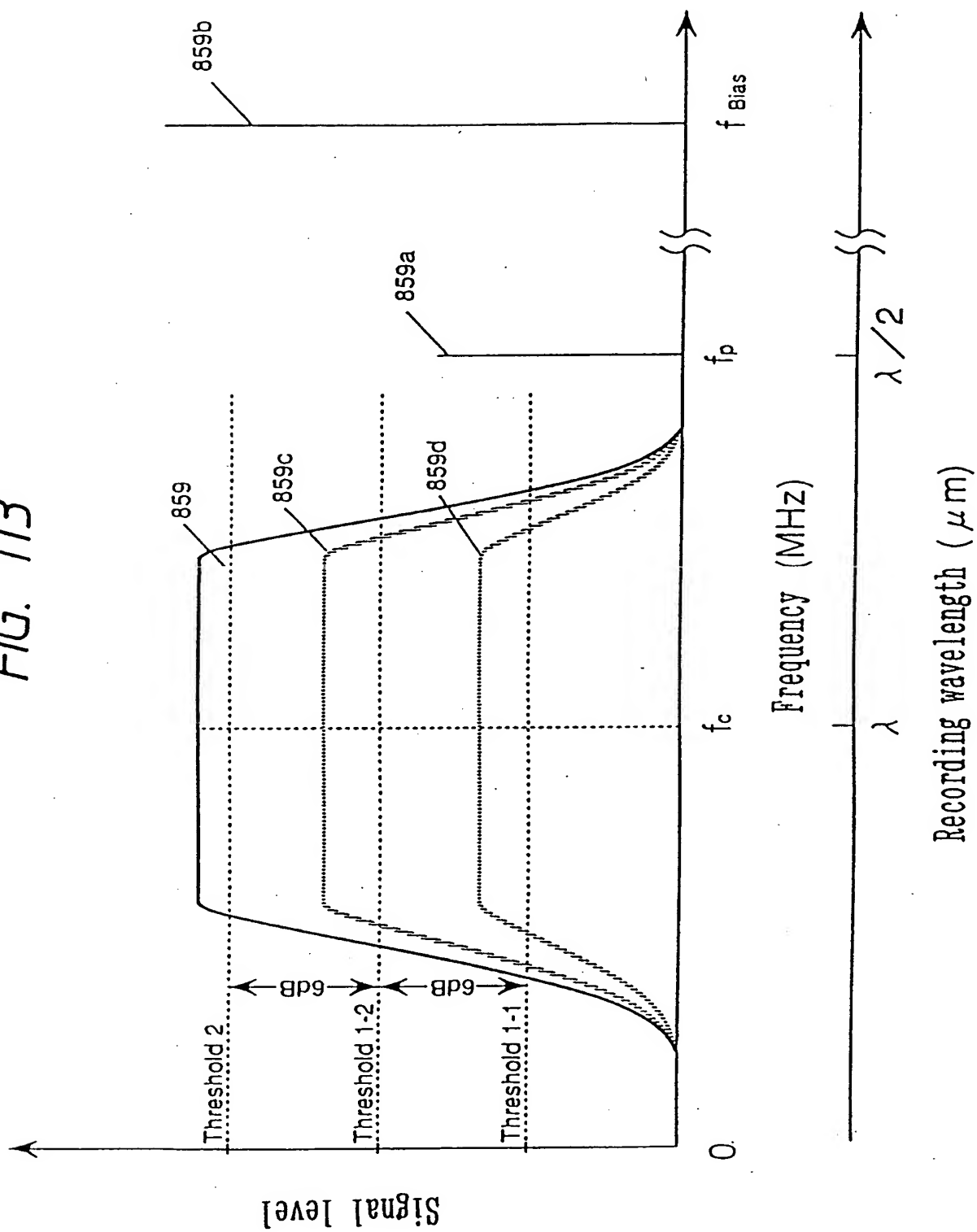


FIG. 114

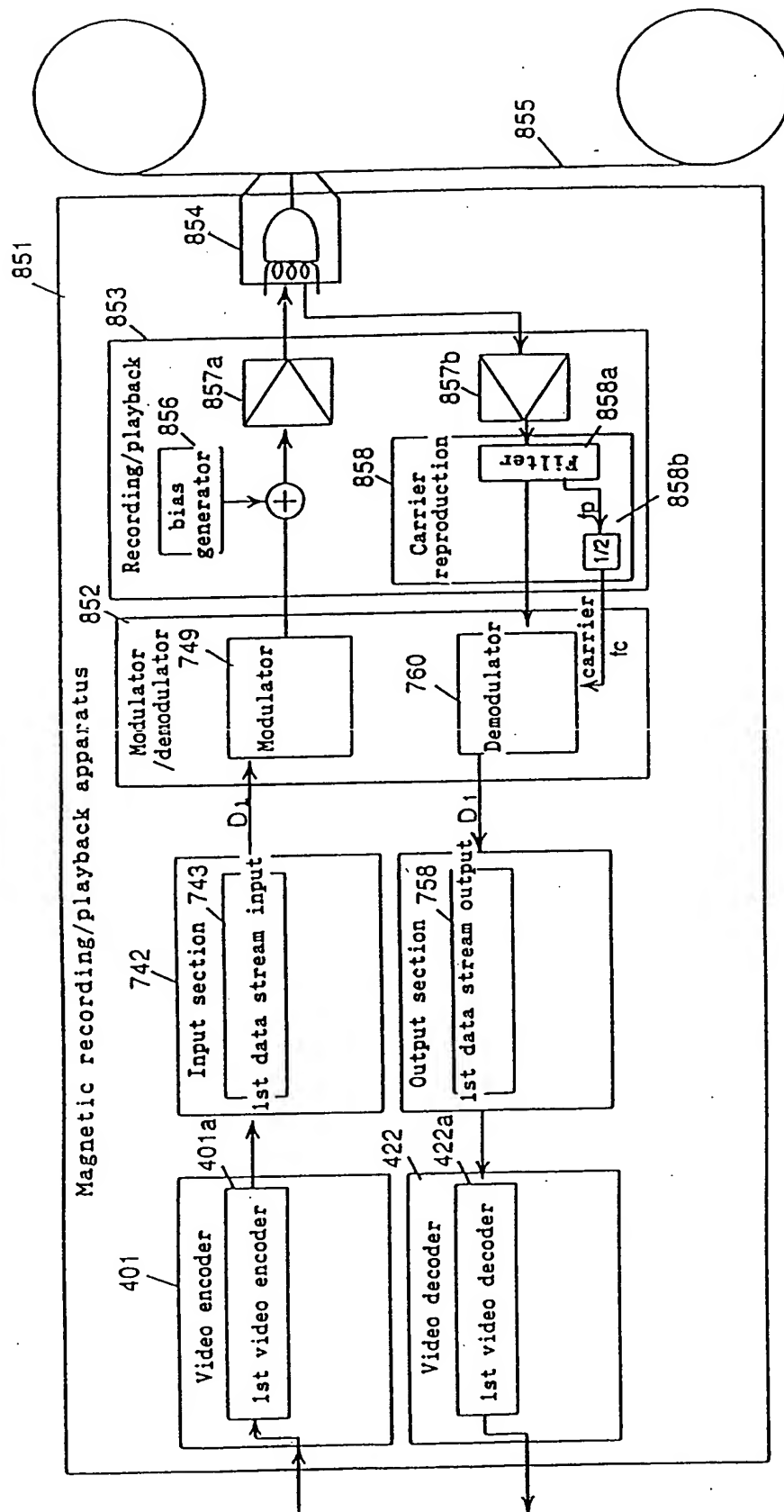


FIG. 115

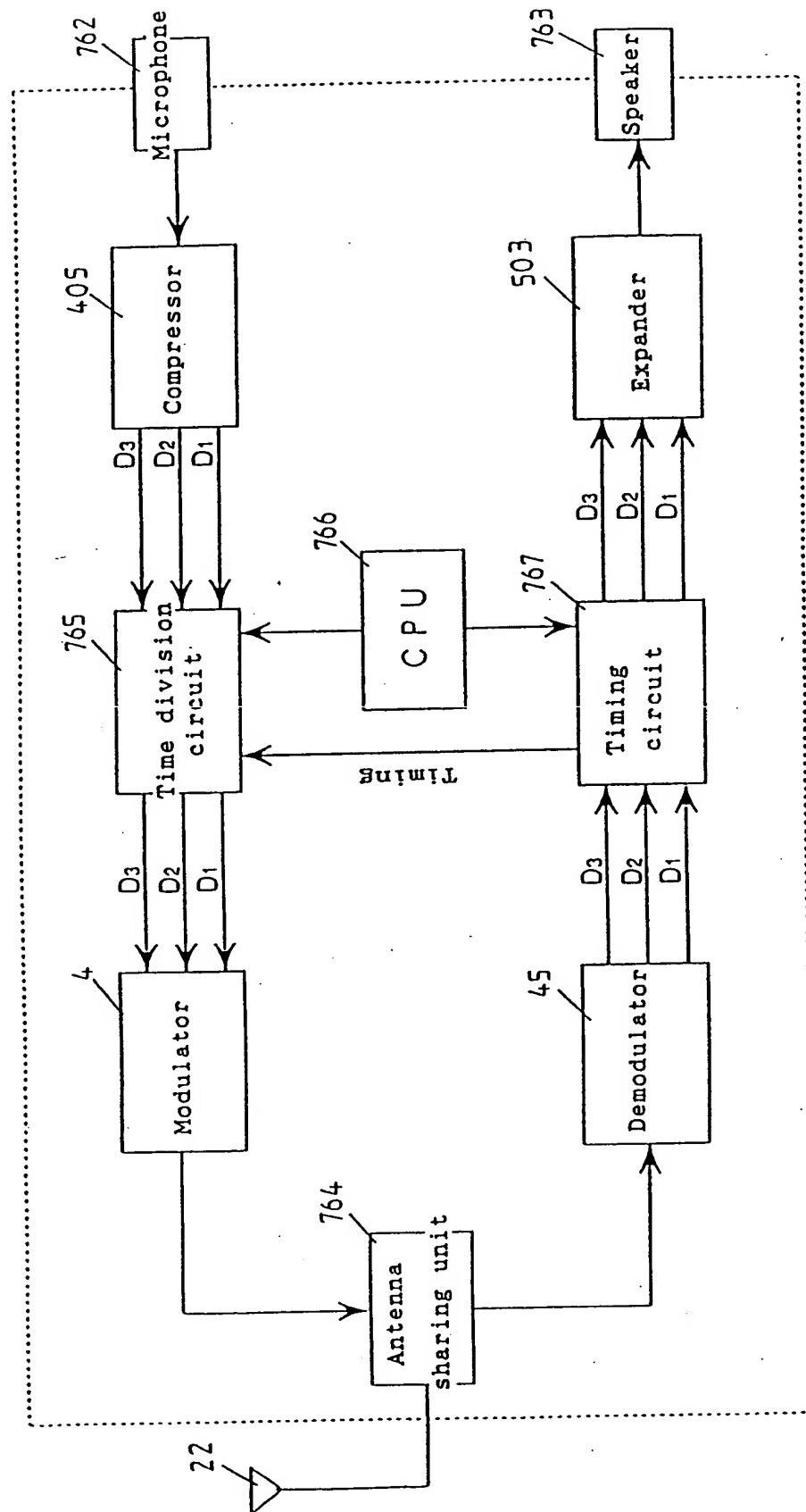


FIG. 116

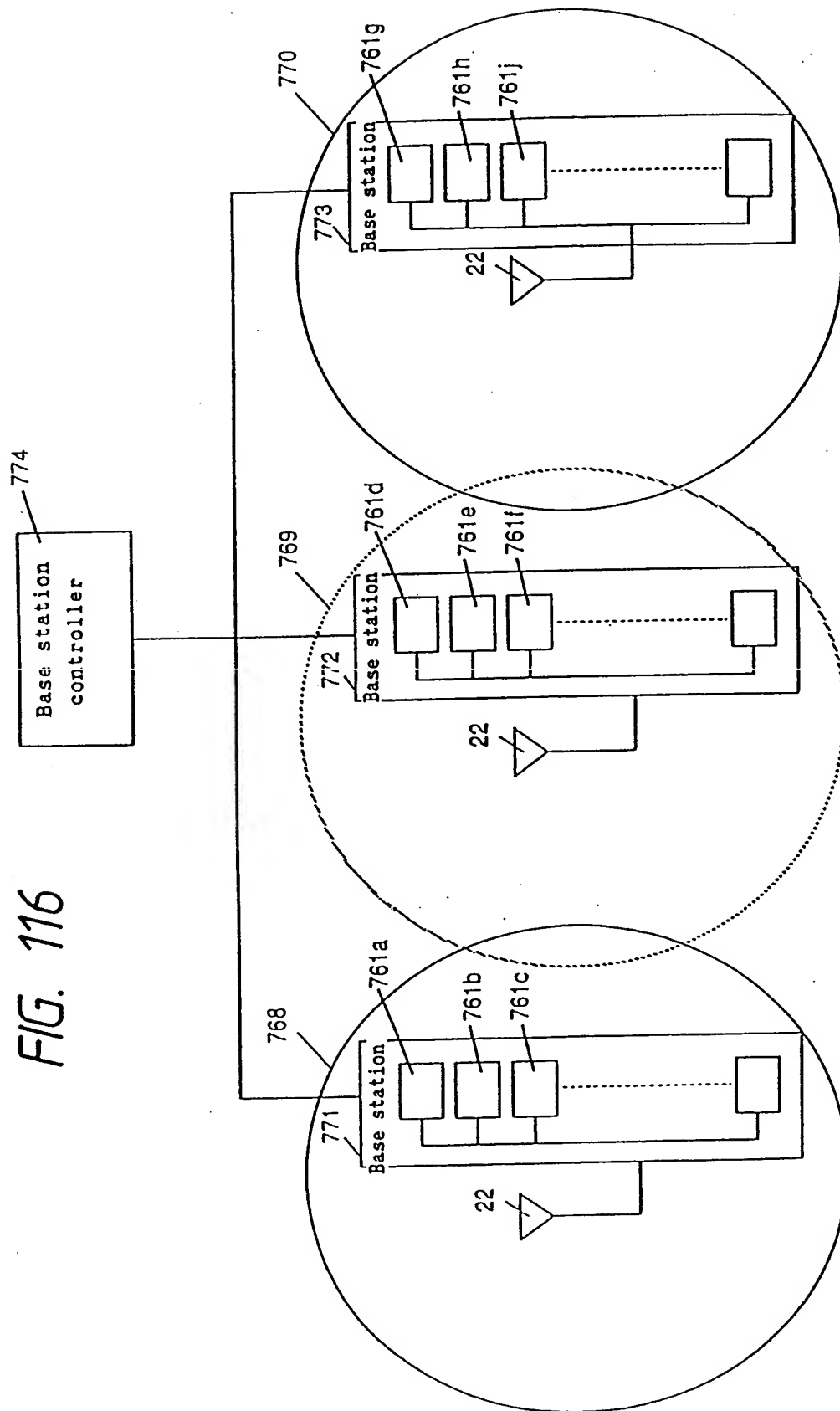


FIG. 117

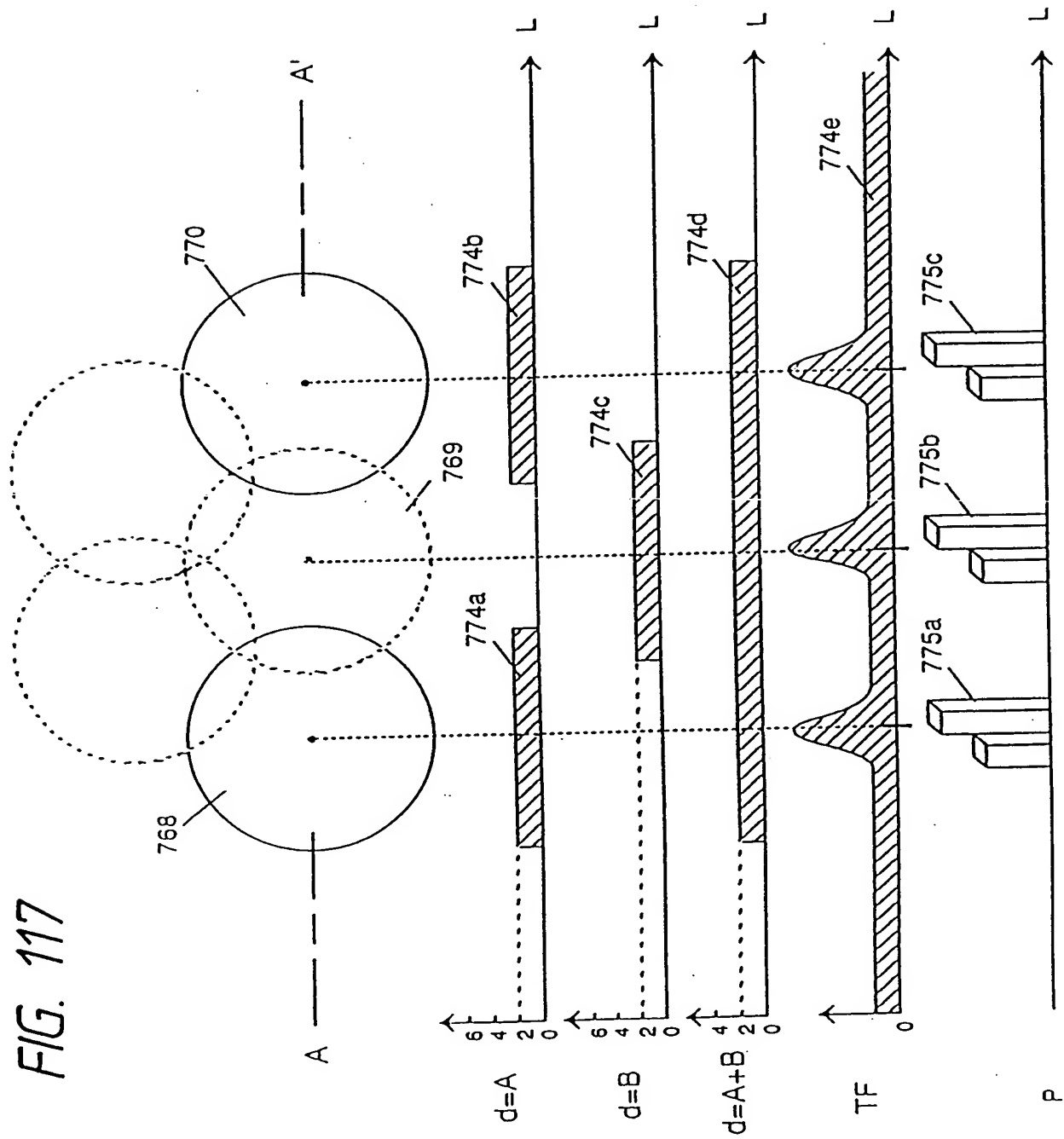


FIG. 118

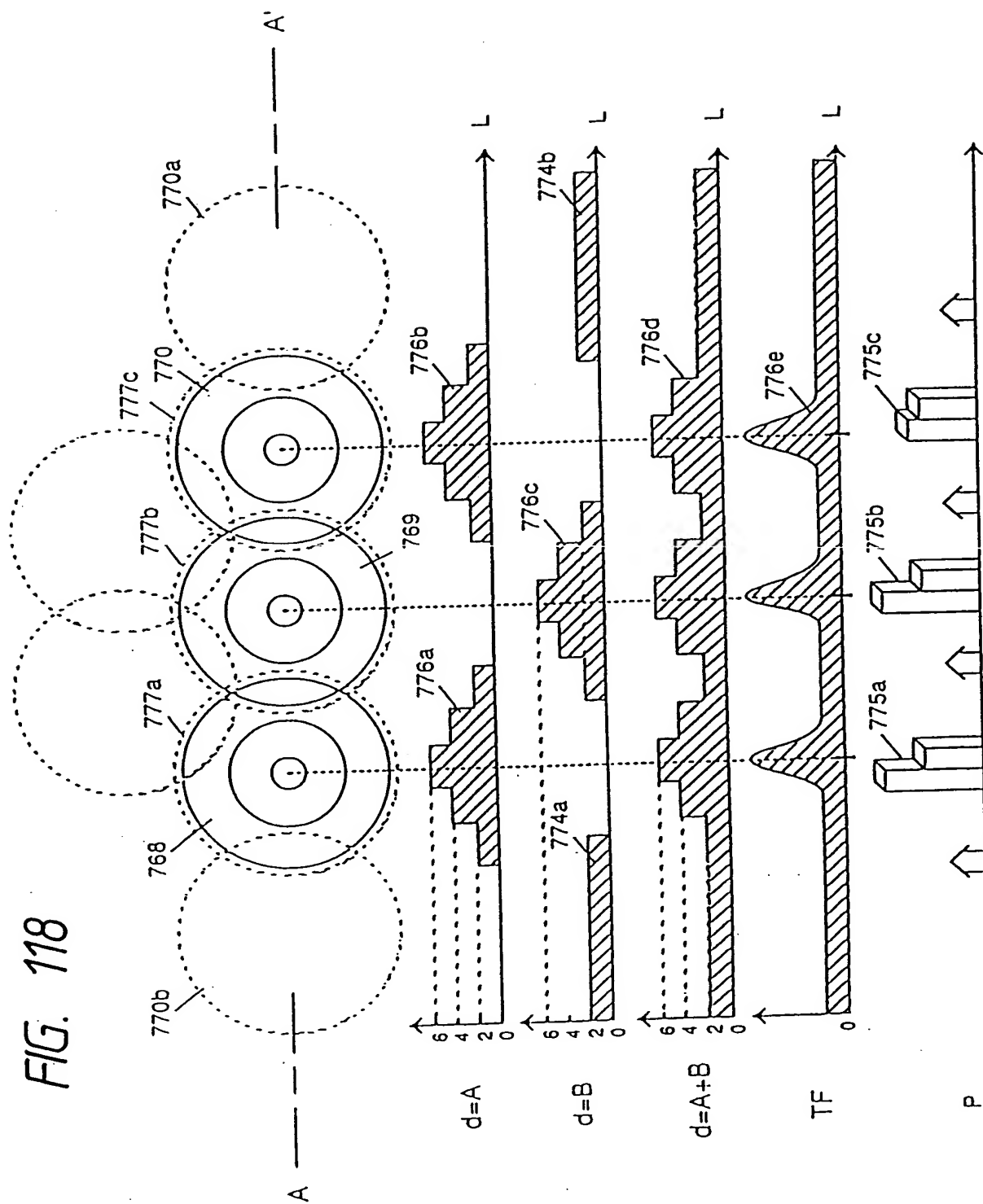


FIG. 119

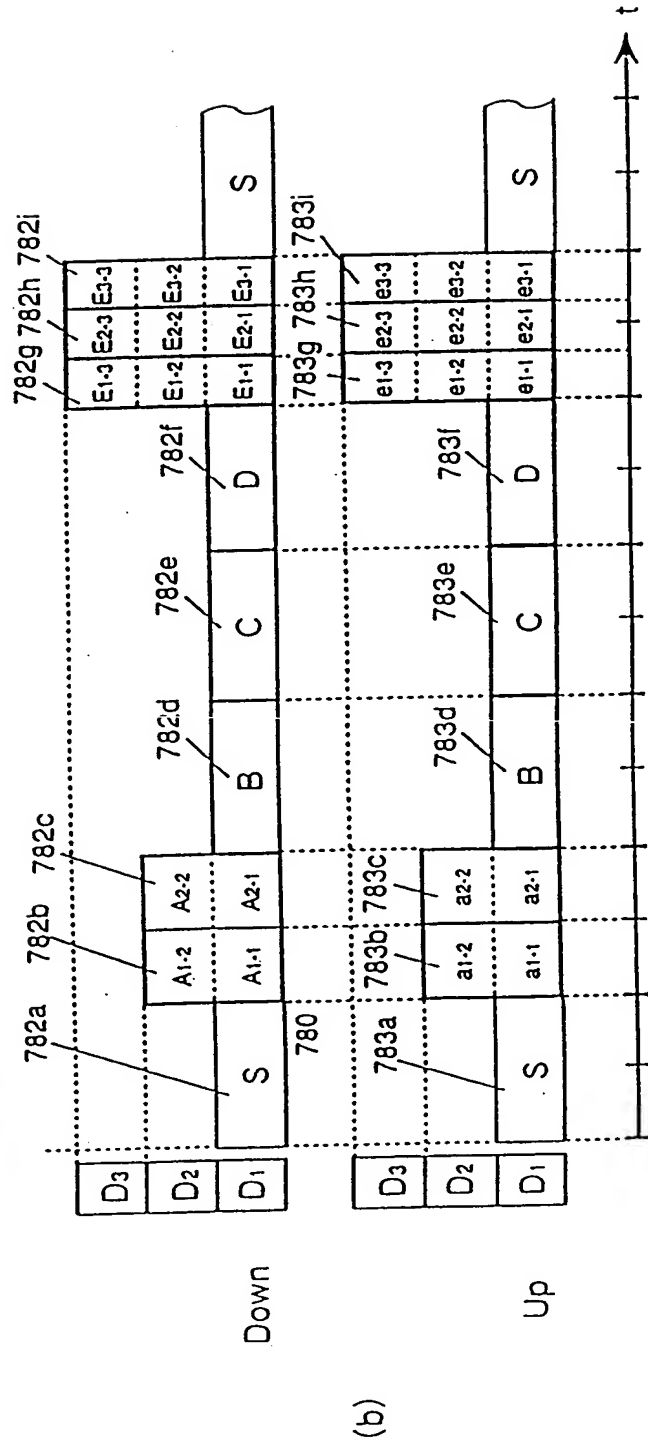
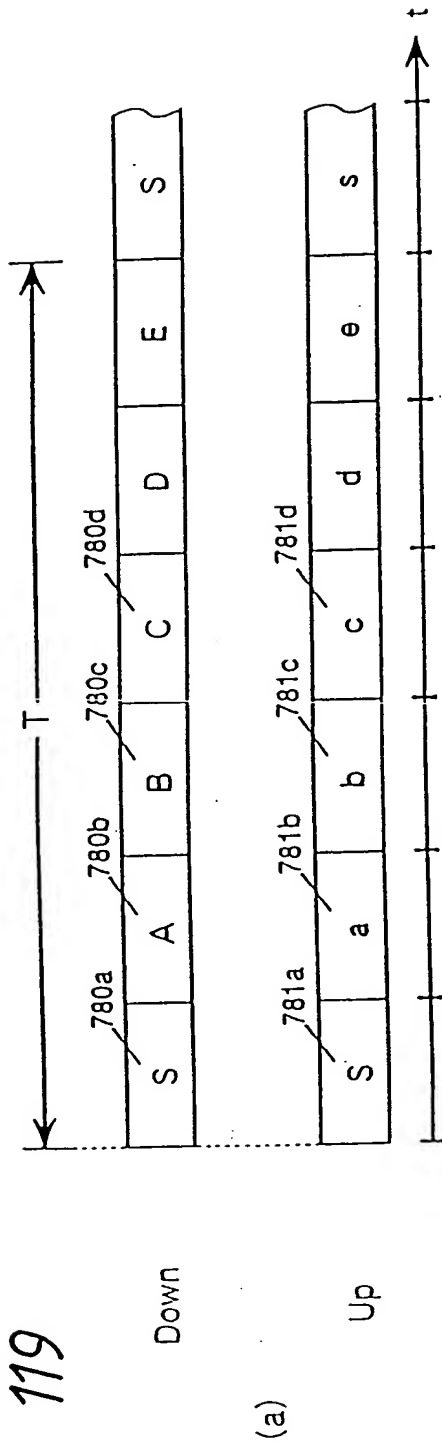


FIG. 120

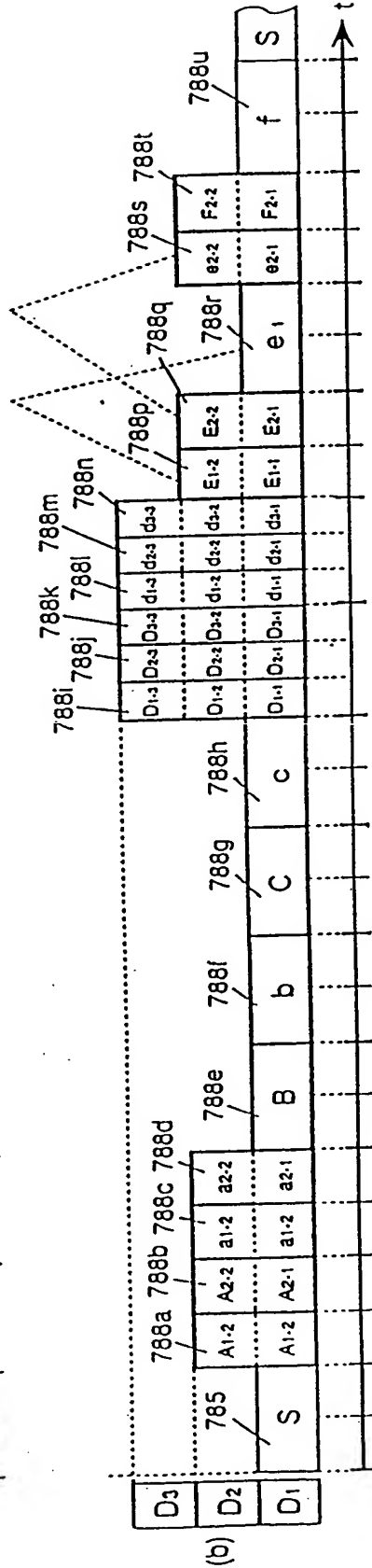
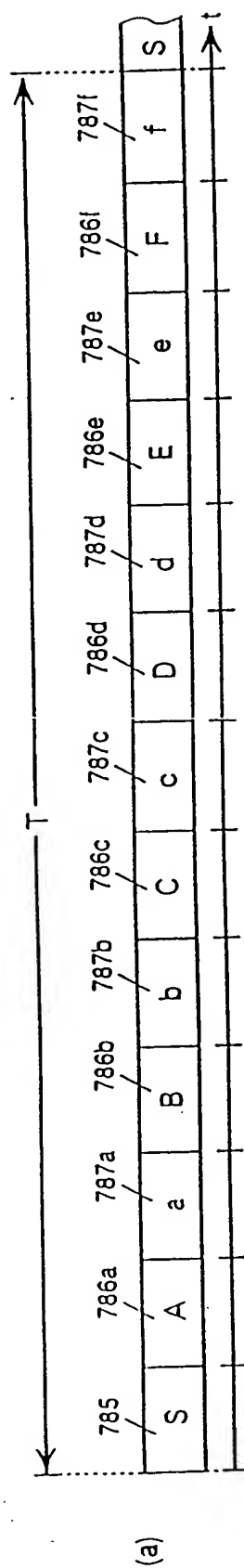




FIG. 121

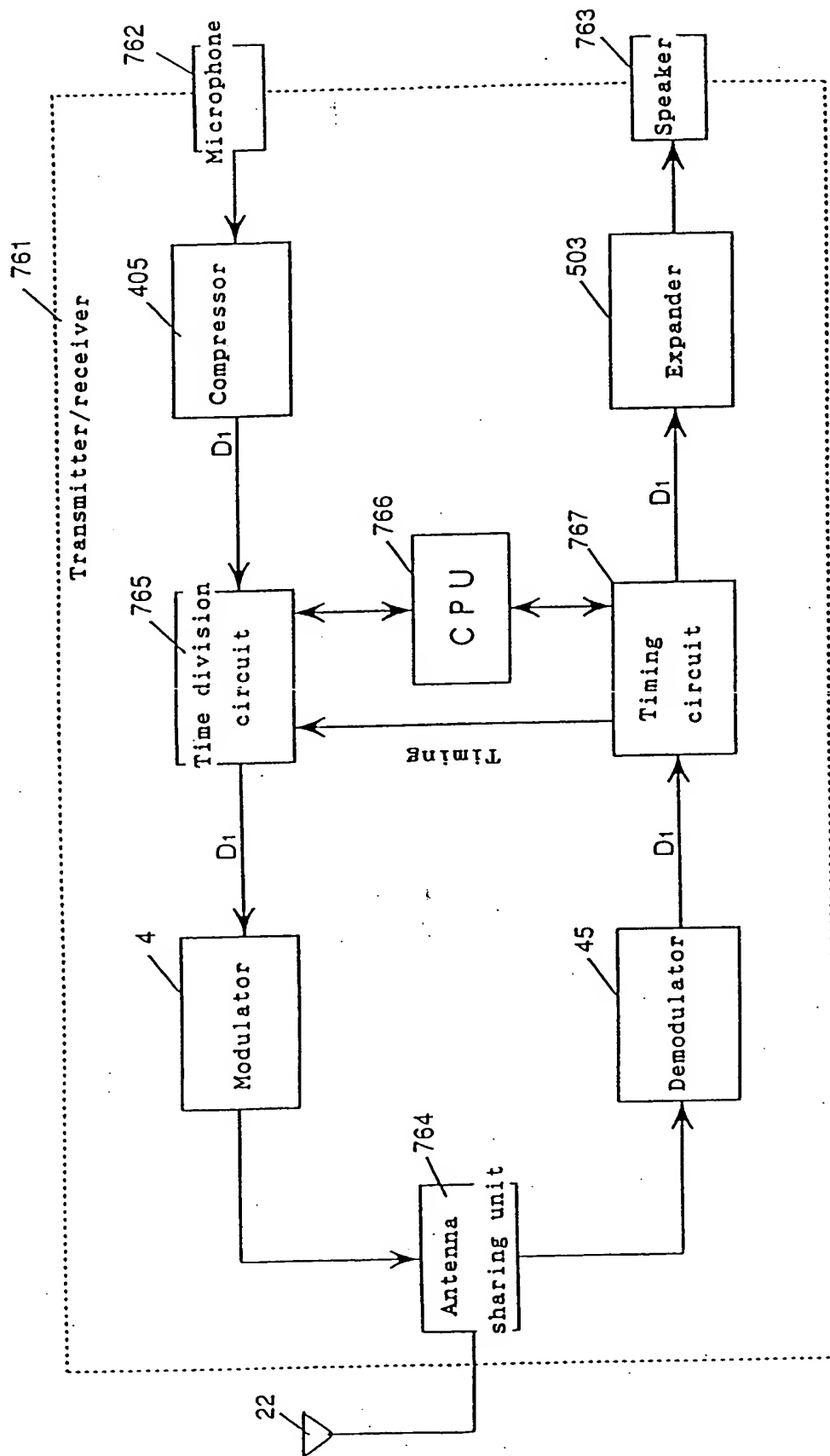


FIG. 122

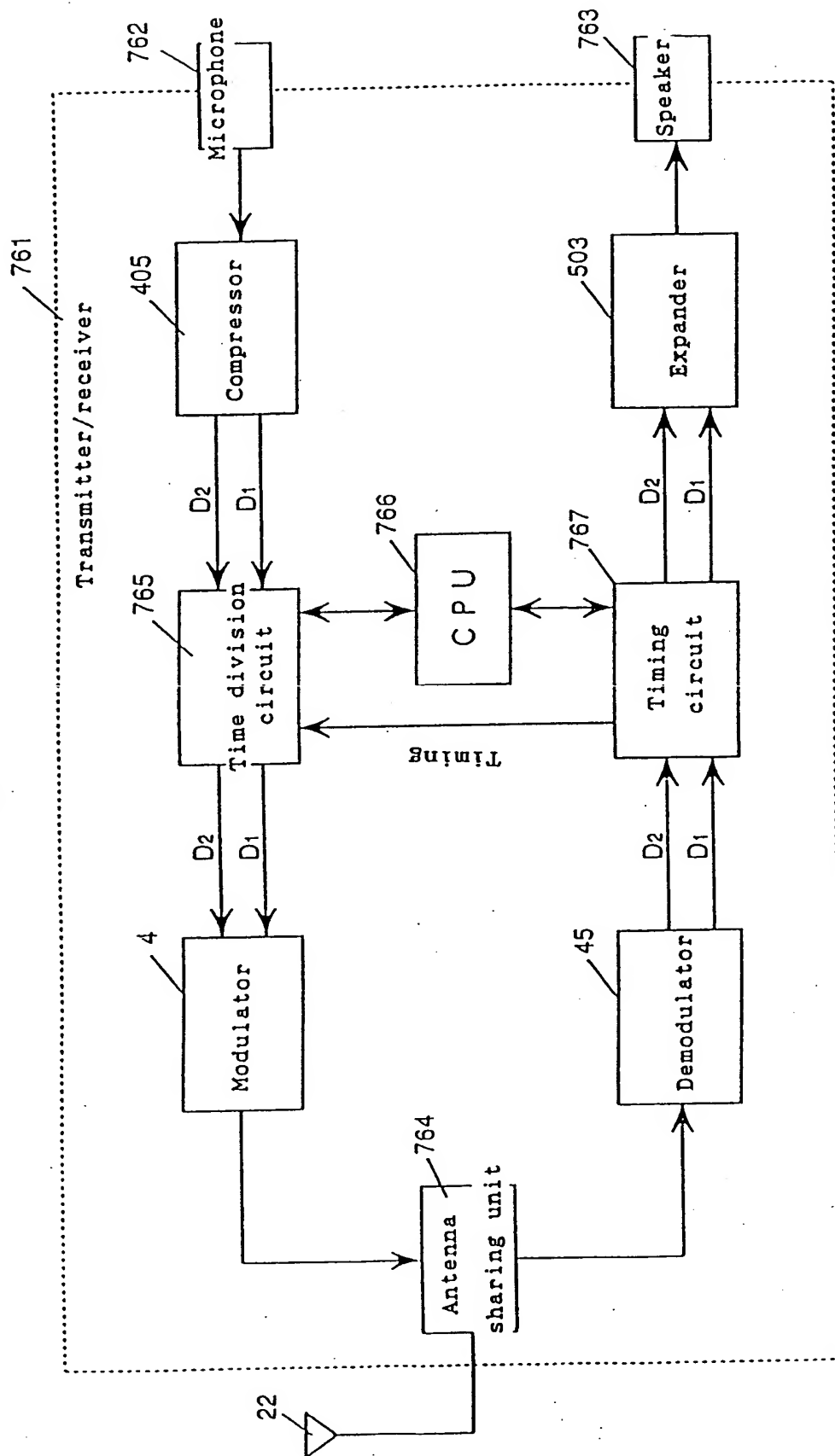


FIG. 123

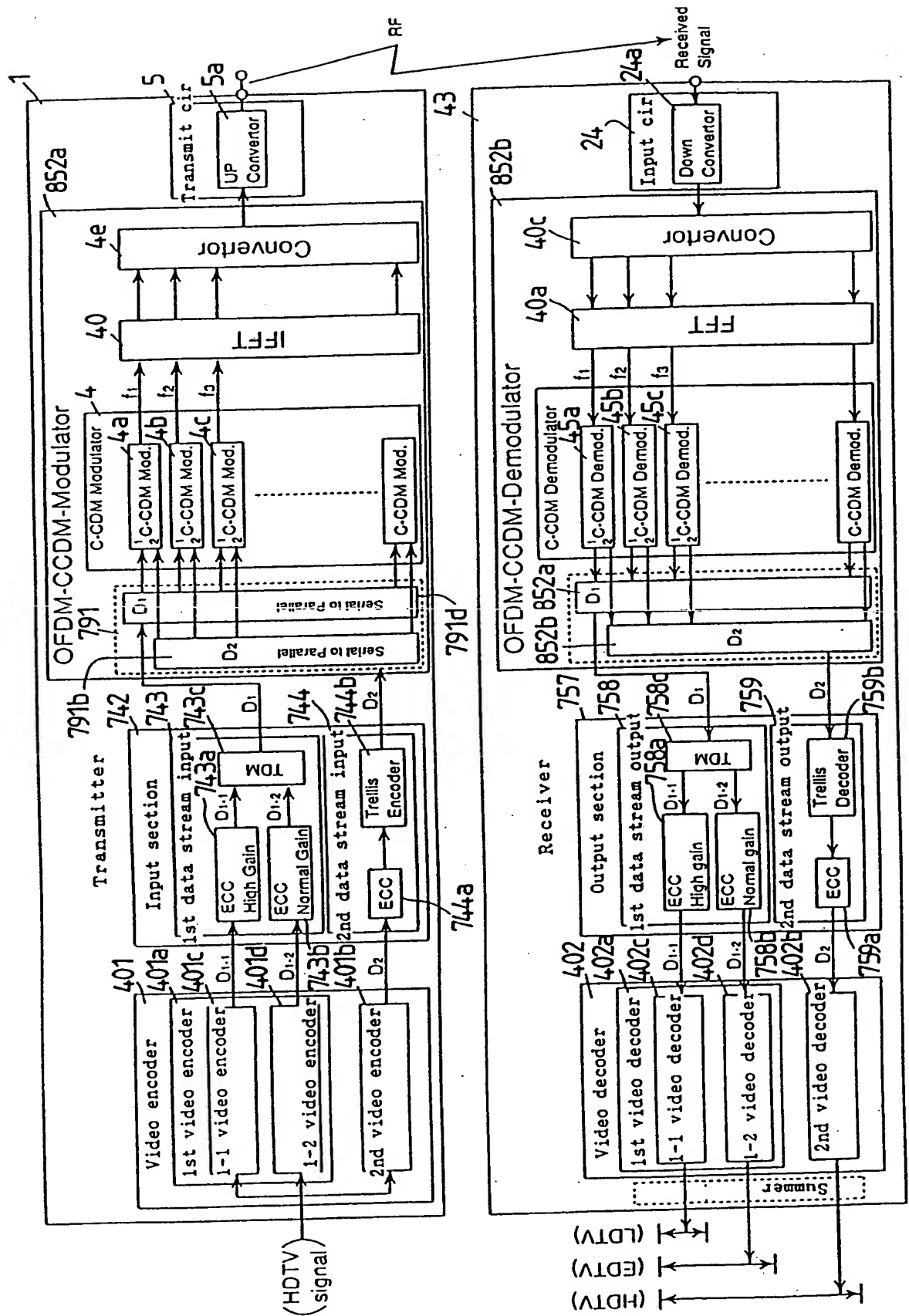


FIG. 124

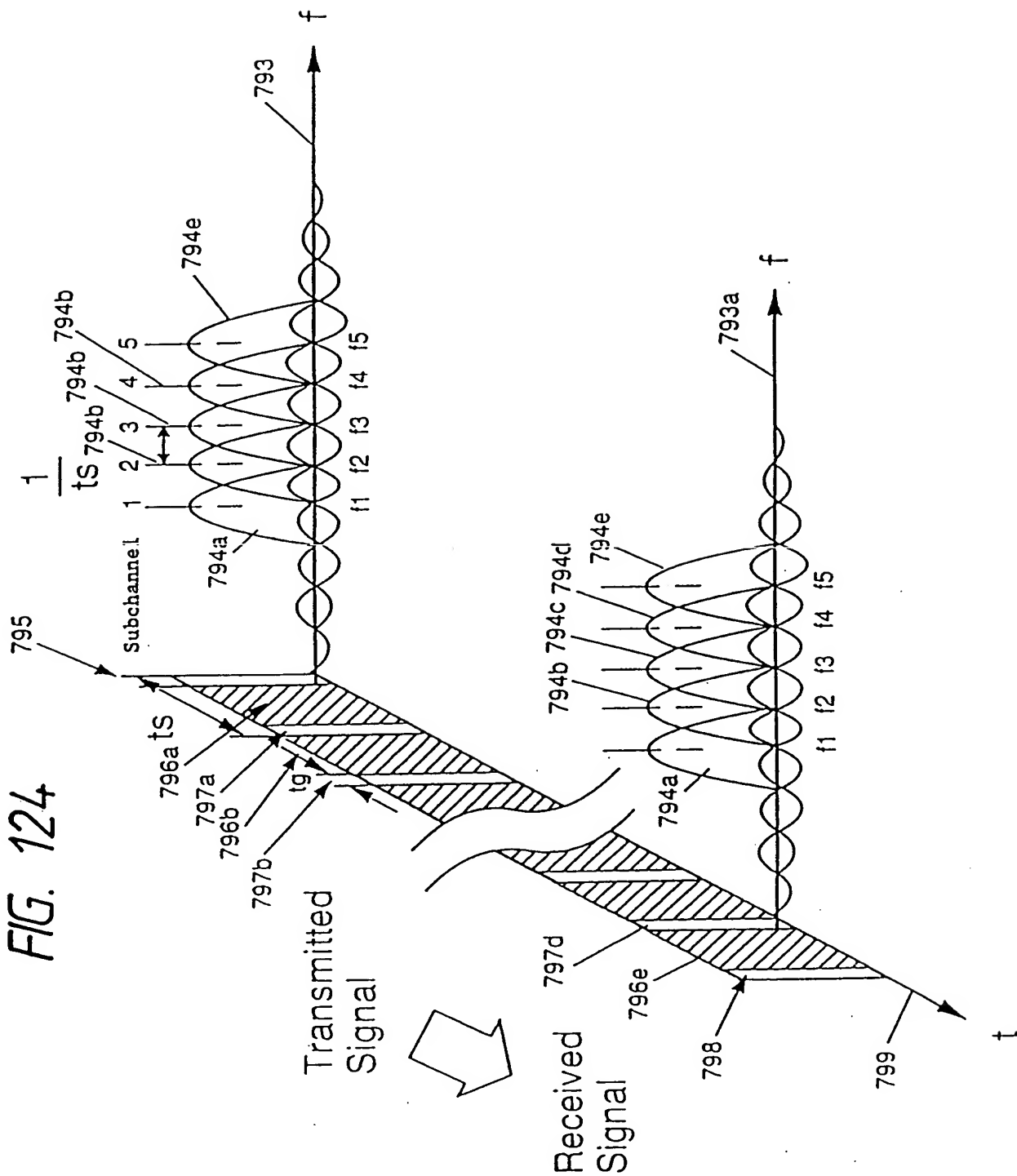
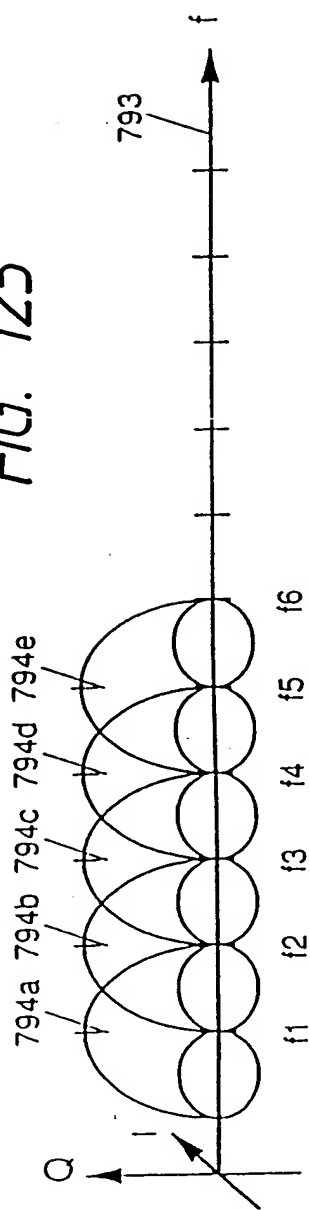
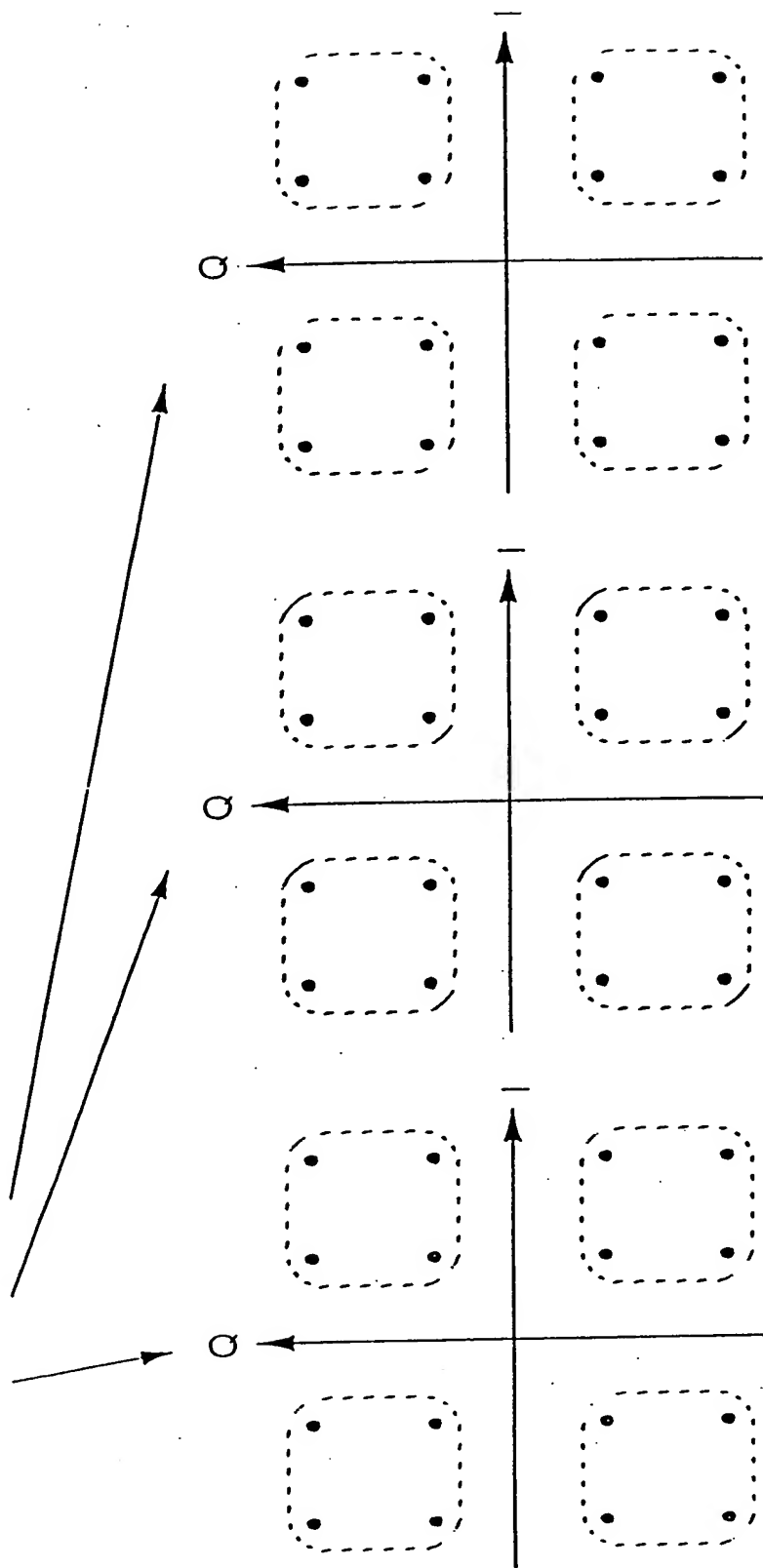


FIG. 125



(a)



(b)

FIG. 126

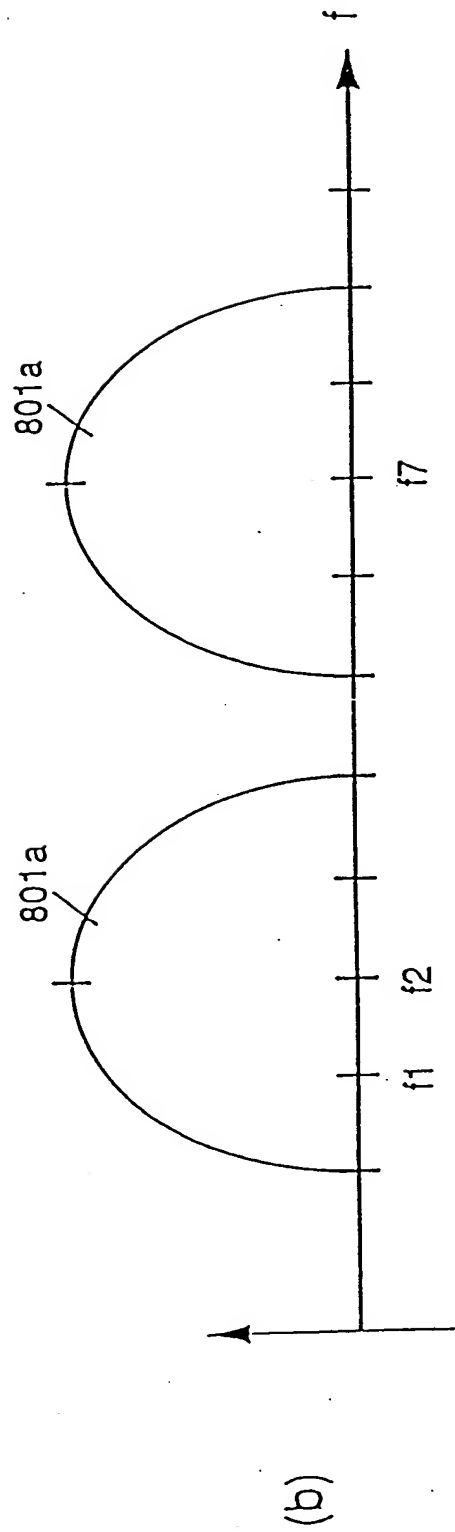
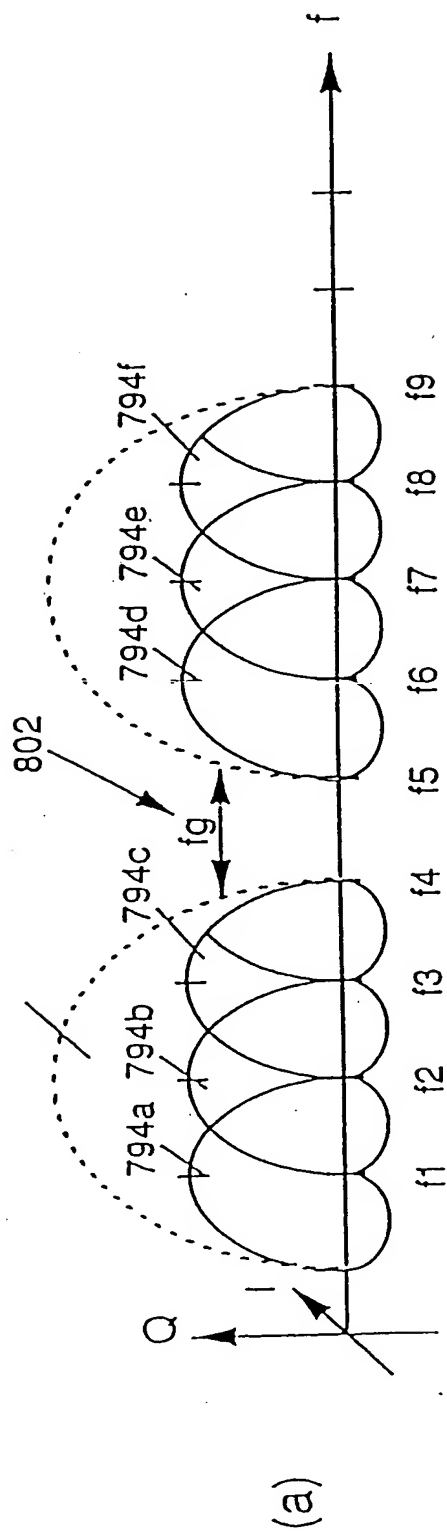


FIG. 127

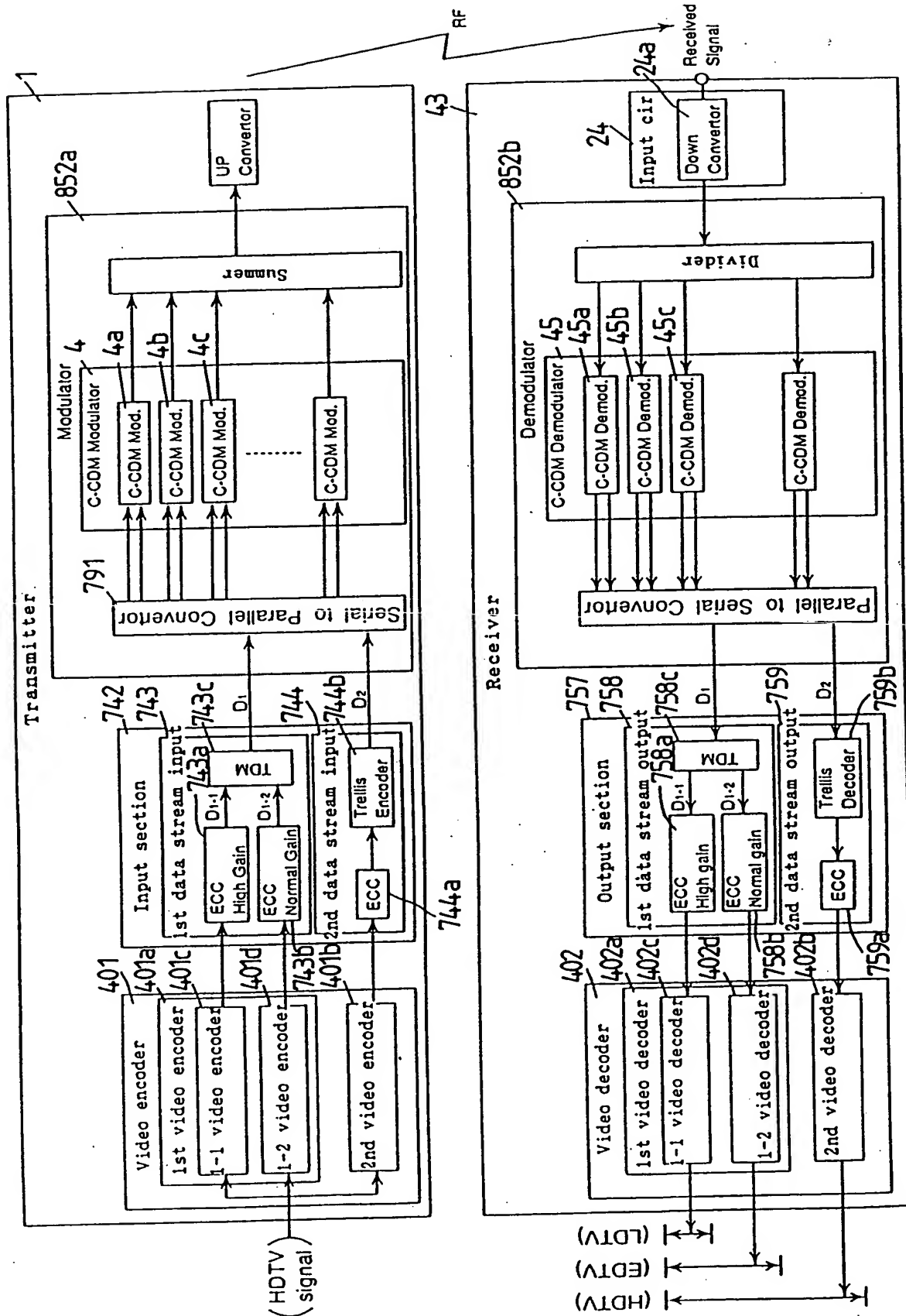


FIG. 128

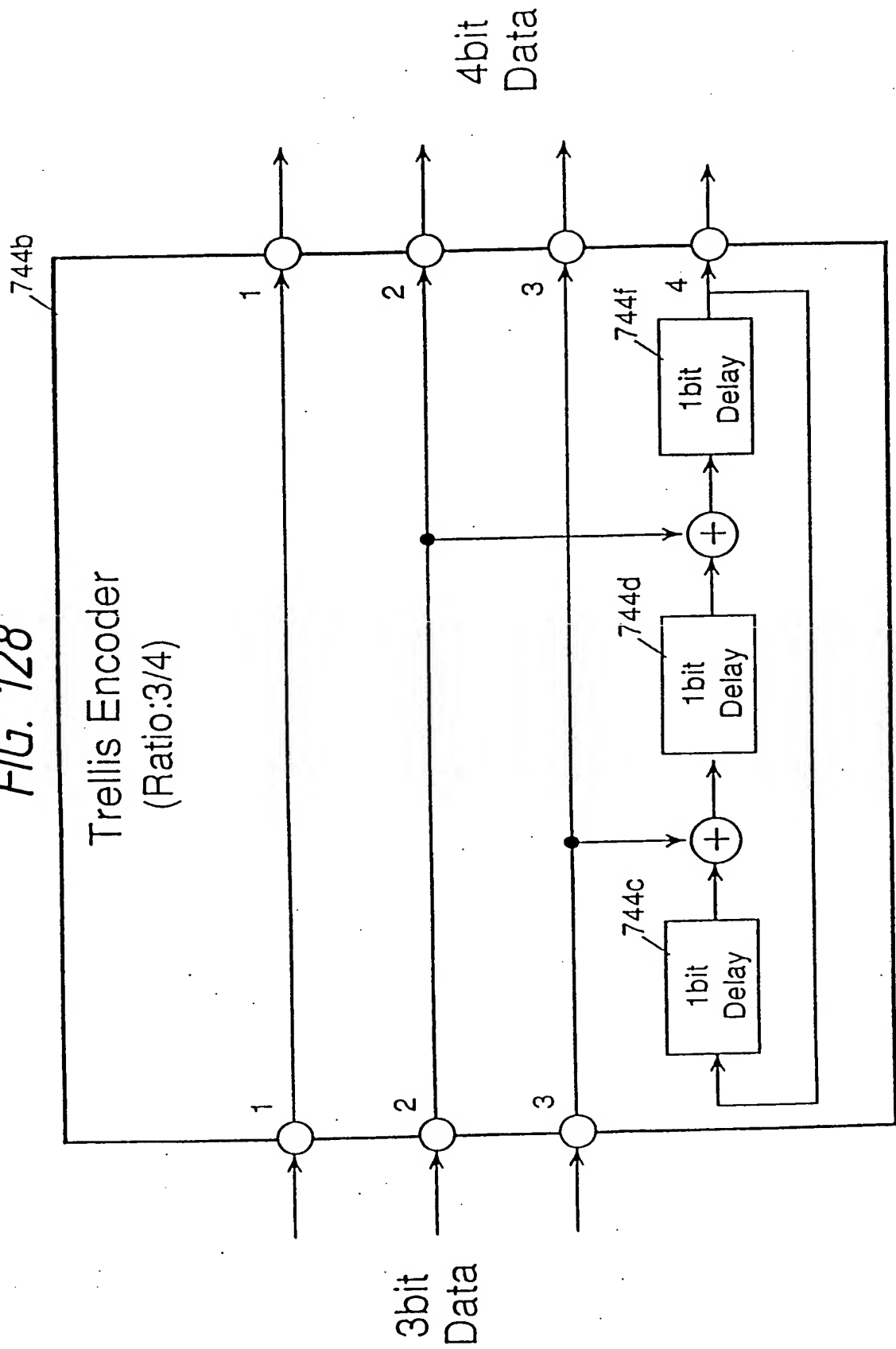




FIG. 129

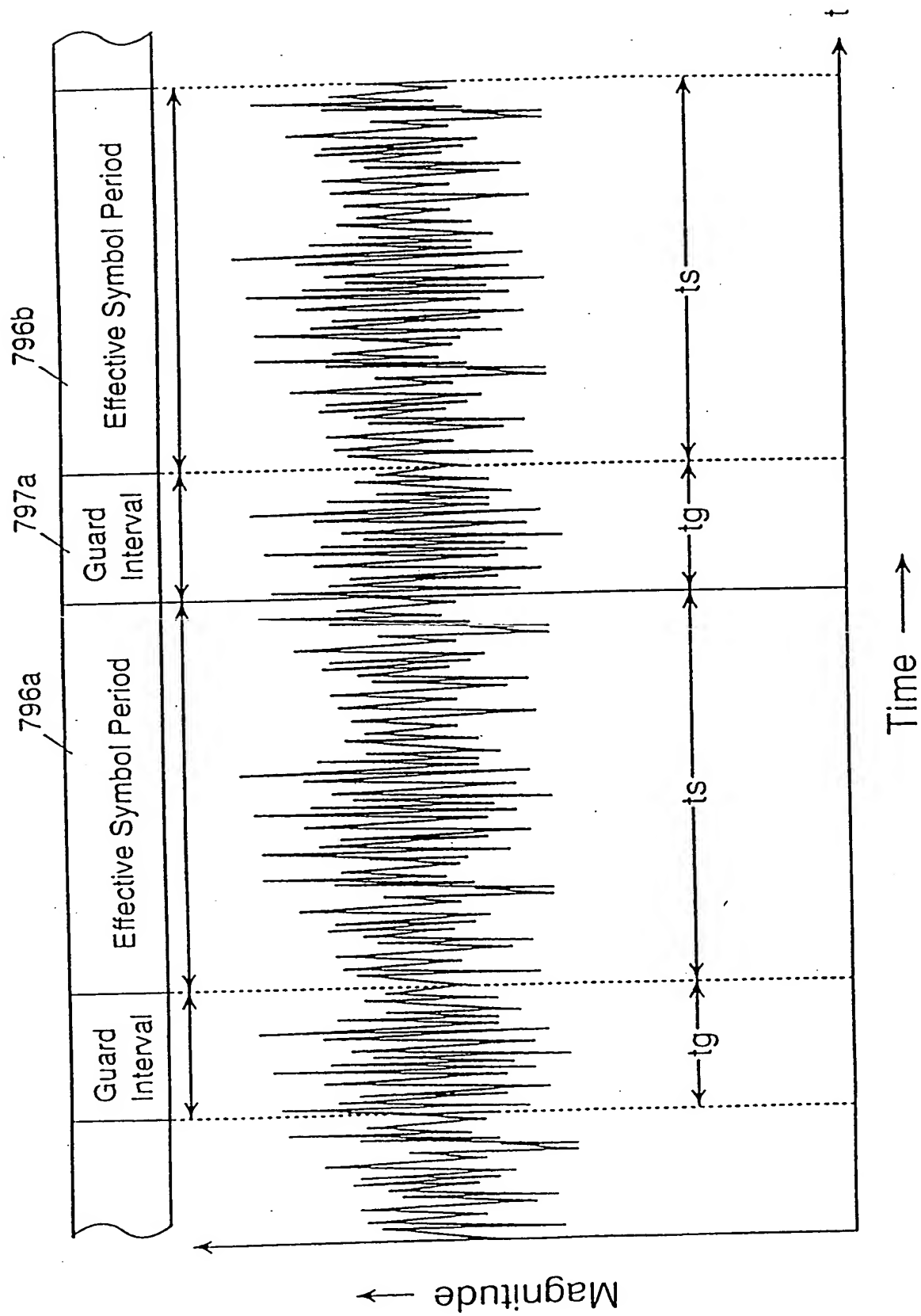


FIG. 130

GHOST DELAY=2us, D/U=8dB  
Figure 8 Bit Error Rate Performance Under Single Ghost  
and Gaussian Noise (1)

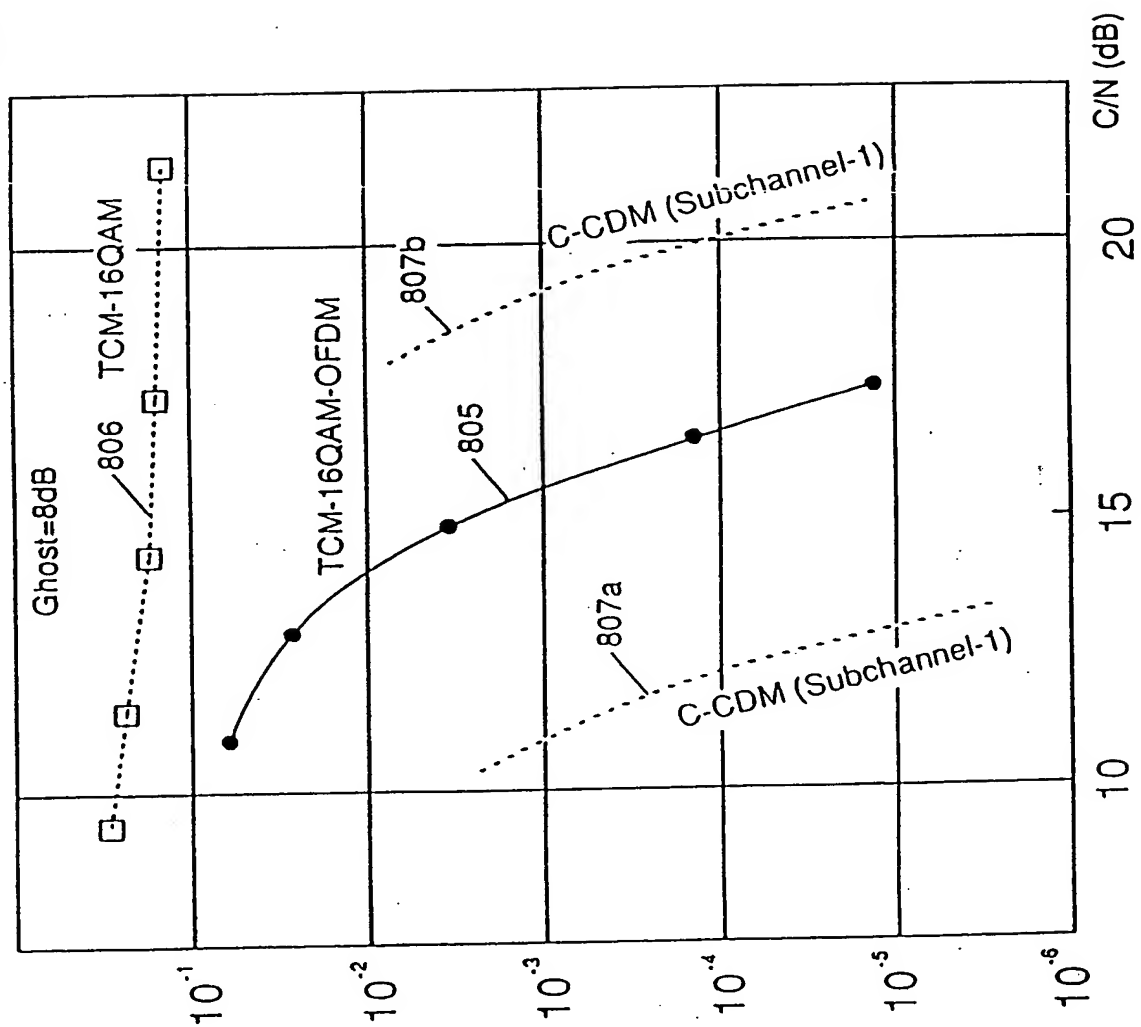


FIG. 131

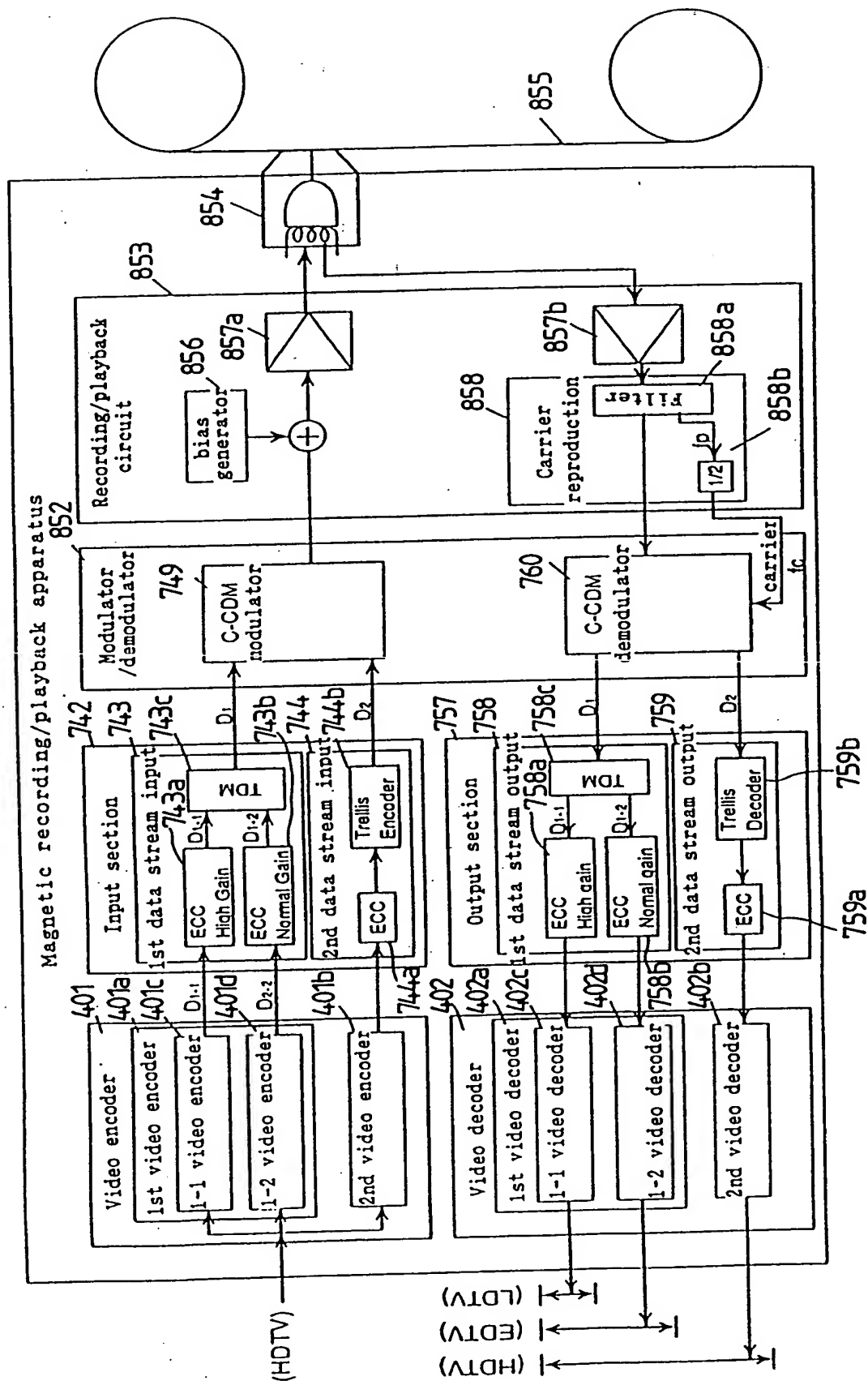


FIG. 132

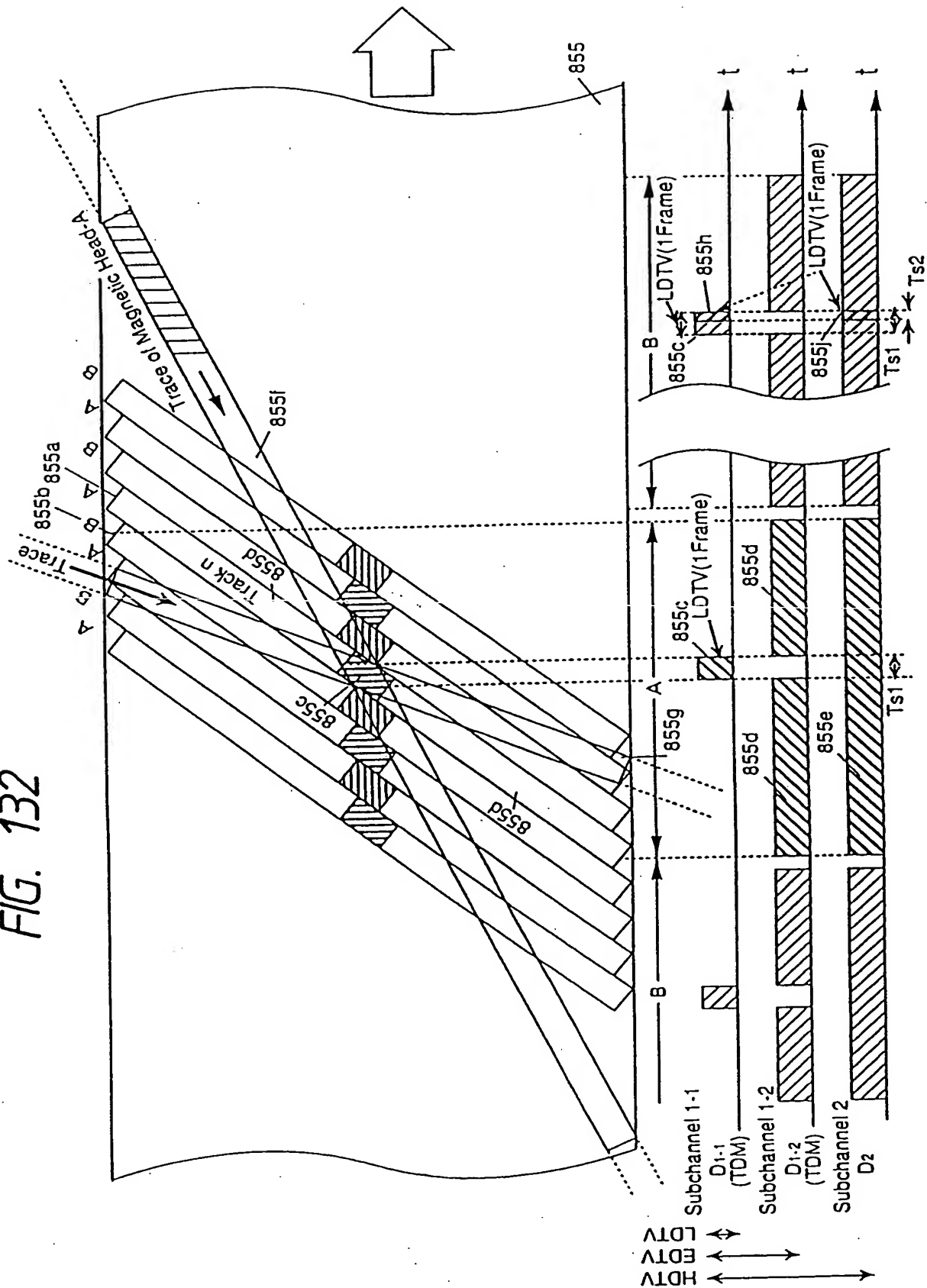


FIG. 133

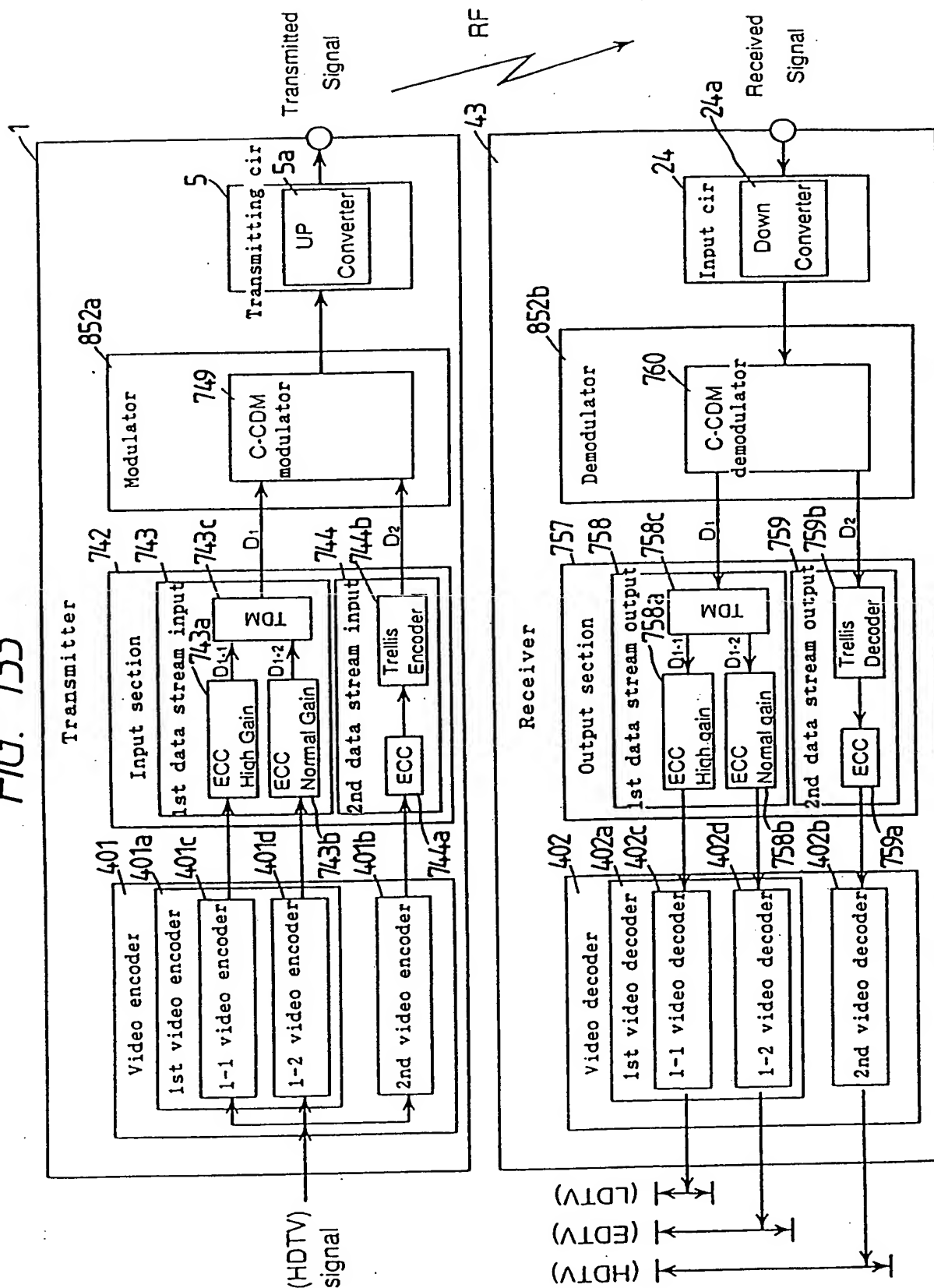


FIG. 134

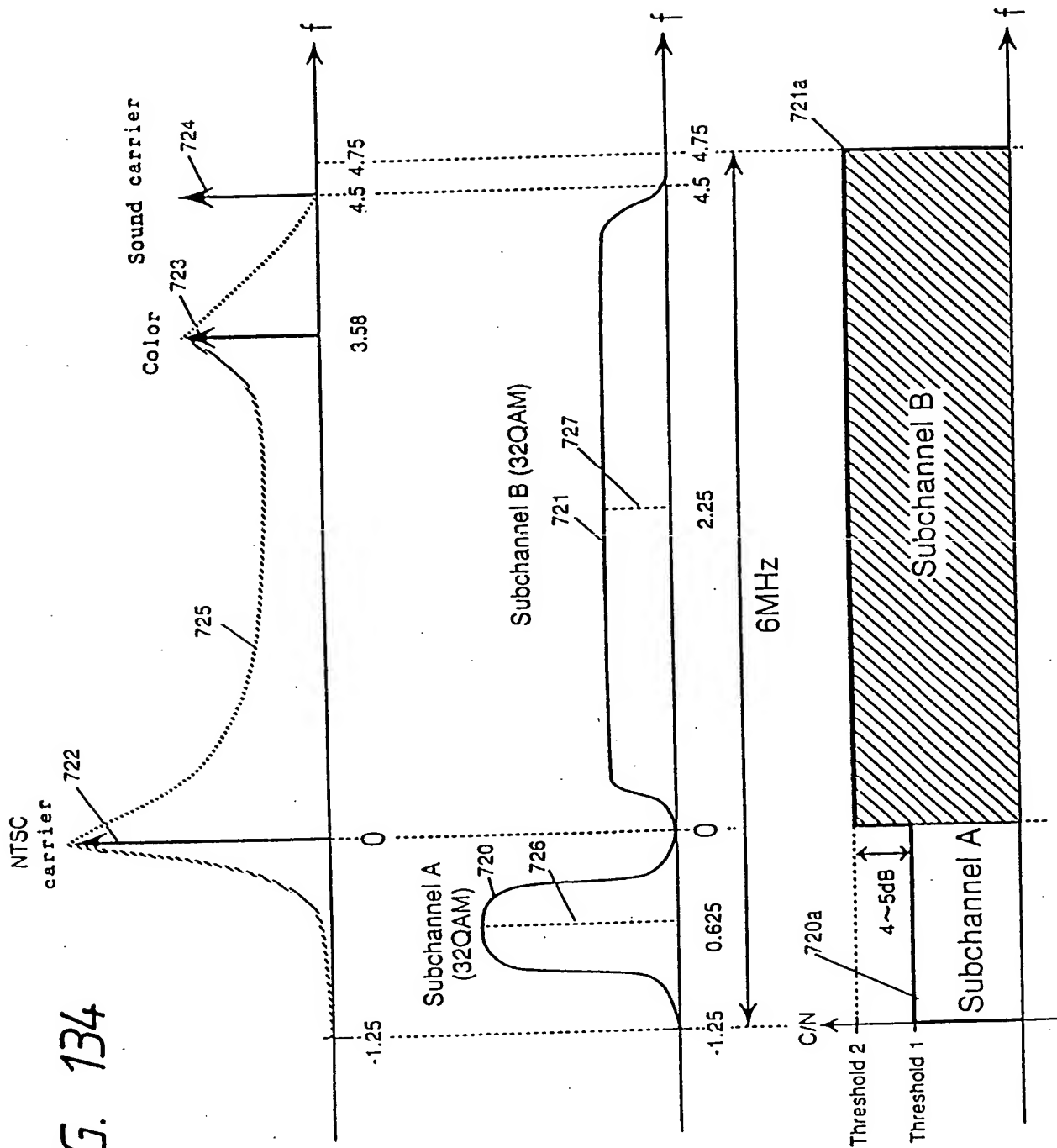


FIG. 135

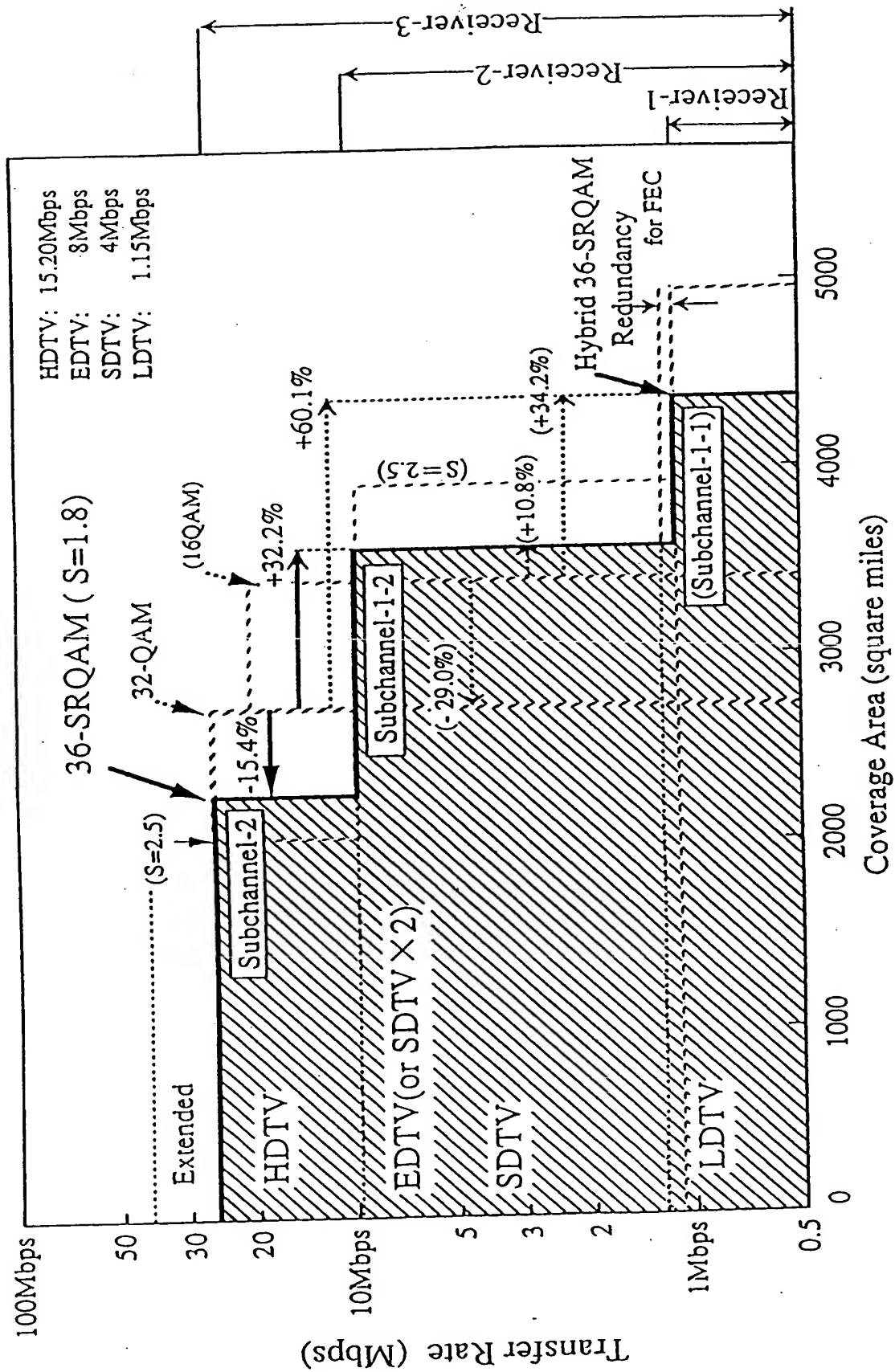






FIG. 137

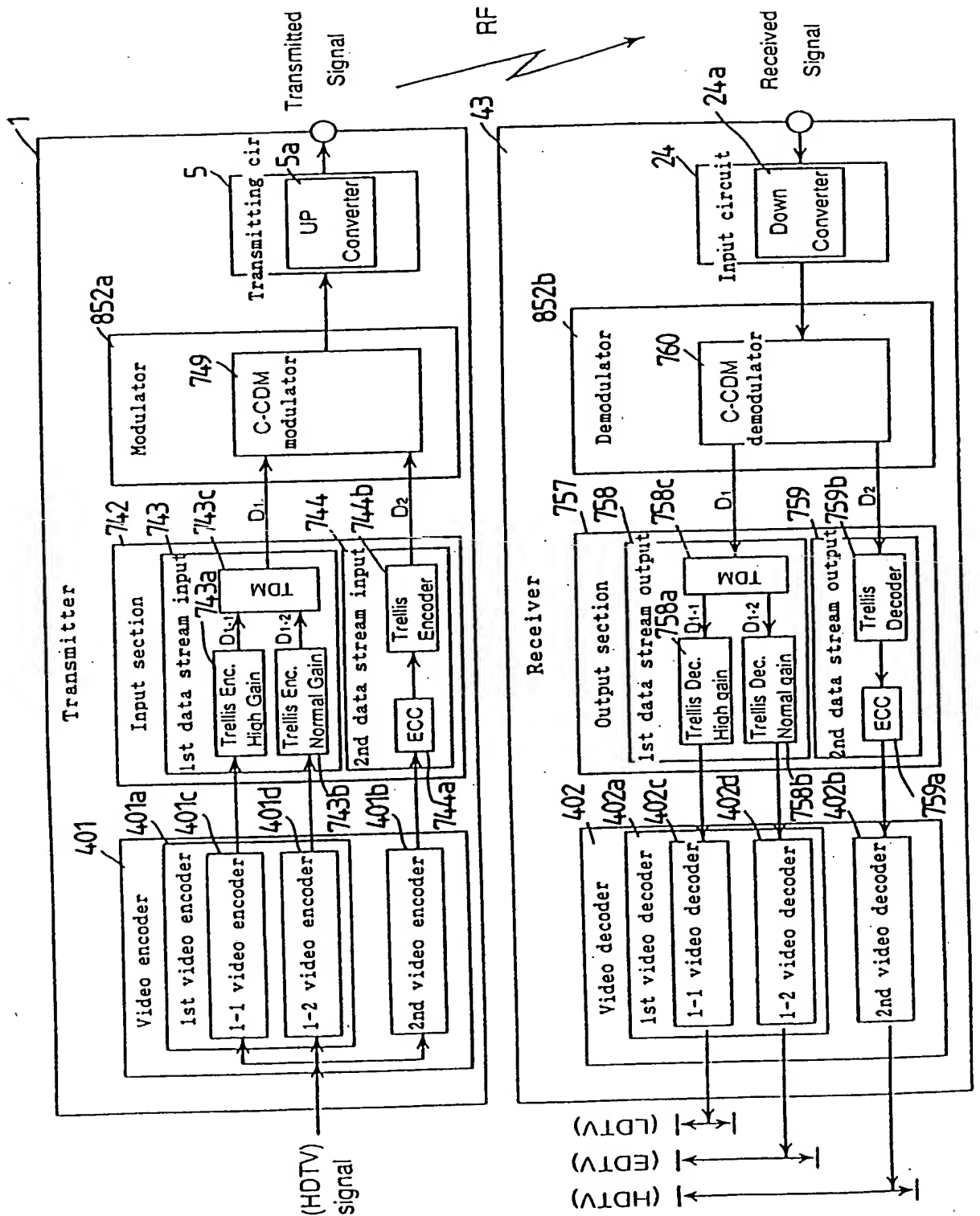
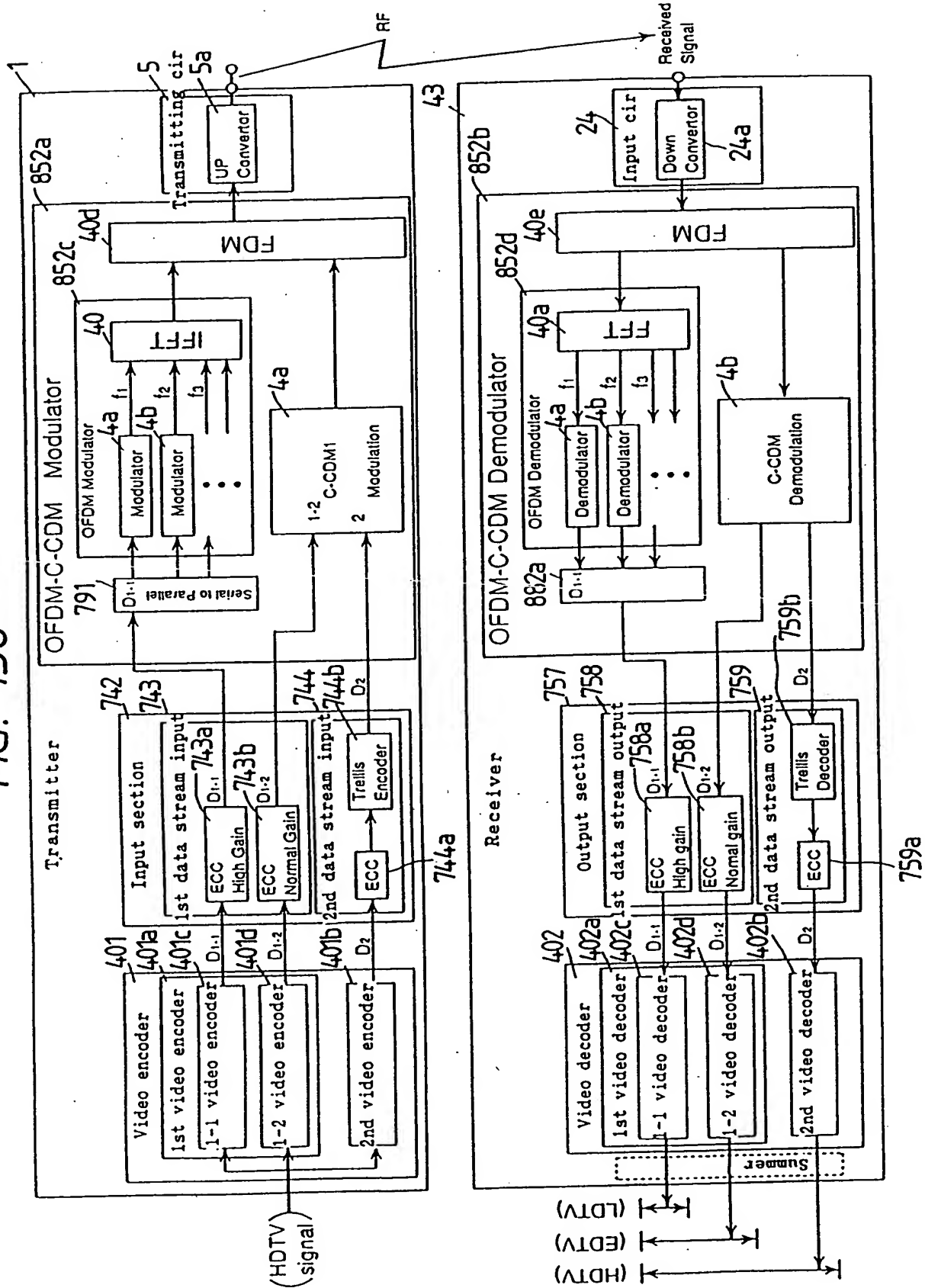


FIG. 138



**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**